

This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.

+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.

+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.

+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

LANE MEDICAL LIBRARY STANFORD
2 45 0417 6301

LANE LIBRARY

CONTENTS.

BIRTHS, MARRIAGES AND DEATHS.

	PAGE.
In Michigan for 1887, Compared with other Years	1
Natural Increase of Population	1
Exhibit of B., M., and D., as returned and as Collected	1
Population, Actual for 1880-4, Estimated for 1881-2-3-5-6-7	2
Various relations of B., M., and D., to Population, Etc.	2-3
Number of B., M., and D., for Twenty Years, Excess of B., over D.	4
The same for 1887, by Divisions of the Year, as Returned and Corrected	5
B., M., and D., Population, Excess B. over D., by Counties and Sex	6-9
Births and Deaths, with Excess of B., over D., 1882-7	10

BIRTHS.

As returned and as Corrected for Omissions, 1878-1887	11
Population Represented by and Relation to	12
By Quarters, 1884-7, and Ten-Year Average, as returned and Corrected	13
By Months in Order of Number, 1885-7, and Ten-Year Average	14
The same when Corrected for Omissions	15
By Sex and by Months for 1887, for State and Counties	16-23
Per Thousand of Inhabitants by Color	24
Table by Color and Sex as Related to Population	25
The same with Proportion of Sexes, for State and Counties	26-34
Nativity of Parents, 1887, with Table	35
Nativity of Parents, 1885-7, and Ten-Year Average, 1877-1886	36
Nativity of Parents, 1887, by Counties, and Births by Sex	37-45
Twins, Table of Births of, 1887, by Months	46
Nativity of Parents of Twins	47
Nativity and Color of Mothers, Proportion of Twins, 1885-1887, and Ten Years	48
Triplets, Certain Facts concerning, 1887	49
Plural Births, Ratio of and Nativity of Parents, 1874-1887	49-50
Still-births	50
Still-births, Tables of Relations, Nativity and Color	51
Still-births, Parent Nativity and Proportion of each	52
The same by Sex and by Months	53
Proportion of Males to Females, all Births, 1886-7, 1877-1886	54
egitimate Births, Relation, Mothers of, Color, Nativity, Etc.	55
gitimates, Various Tables, with Comparisons	56-58
Illegitimates and Still-births, State and Counties	59-60
which Reported "No Births"	61
were Received	62

MARRIAGES.

	PAGE.
Returns of, Remarks thereon, Etc.	63
Marriage Rate to Population, and by Divisions of Time	63
By Quarters, as Corrected, 1884-7 and 1877-1886	64
The same by the Original Returns	64
Order by Months, as Corrected, 1885-7 and Ten-Year Average	65
Number per Month, 1887, for State and by Counties	66-68
By Color and Sex, with Relation to Population	68-69
Mixed Marriages, see Foot-notes to Tables 34 and 35	69-72
By Color, for State and Counties	70-72
Nativity, Various Tables and Comparisons	73-75
By Sex, Nativity and Average Age	75
Marriages of Persons under 21, Extreme Youth, Etc.	76-77
Sex, Nativity and Age in Periods, State and Counties	78-85
Manner of Union by Ages, Disparity of Ages, Etc.	86-87
Original Returns 1885-7, Additions 1885-6, Relation to Population, State and Counties	88-90
Ratio of Divorces to Marriages	91

DEATHS.

For 1887, with Observations	92
Relation to Population, and as Returned and as Corrected	92
By Quarters, Original and Corrected, 1885-7, and Ten-Year Average	94
By Months in Order, for the same Period	95
By Sex, with Relation of Sexes, Fourteen Years, 1874-1887	96
By Months in Order, as Corrected, 1885-7, and Ten-Year Average	97
Number by Sex and Periods of Age	98
Per cent for Certain Periods of Age, Twelve Years, 1876-1887	99
By Months and Certain Periods of Age, Proportion of	99-100
By Sex, Months and Periods of Age	101-103
By Sex and Months and for Months and Years of Age	104-113
Infant Mortality, Relation of to Births	114
Table of Deaths under One Year of Age, Ages in Months, Etc.	115
Deaths of Children under One Year who were Born in 1886	116
Months of Birth, 1886, and Deaths of Children Aged under One Year	117
Relation of Deaths Aged under One Month to Births	118
Details of Deaths of Persons Aged 100 and over	118
Townships which made no Returns of Deaths	119
Townships which Reported "No Deaths"	121
Deaths by Sex, Months, and Periods of Age, State and Counties	122-133
By Color, Sex, Proportion of, Relation to Population, Etc.	134
By Color and Sex for the State and Counties	135-137
Nativity of Decedents, 1885-7, and Ten-Year Average	138
Nativity, Sex and Periods, Proportion of to Population	139
Nativity and Sex for the State and Counties	140-142

CAUSES OF DEATH.

Observations on	143
By Classes, 1885-7, and Ten-Year Average	144
By Classes and by Months for 1887	144
From Seven Prominent Zymotic Diseases, 1876-1887	145
From Six Principal Local Diseases, 1876-1887	145
From Six Chief Developmental Diseases, 1876-1887	146
From Seven Prominent Violent Causes, 1876-1887	146
From Brain Disorders, 1876-1887	147
By Order of Seven Groups, by Part of Body Diseased	147
Eleven Geographical Divisions	148-149

By Classes and Geographical Divisions, 1887 149
Nosology, by Counties, Classes and Orders of Diseases 150–179
Specified Causes of Death, 1882-7, by Months and Periods of Age, 1887 180–213
Unusual Causes of Death "Casualties" 214
Suicide, Details and Statistics of, Occupation and Nativity 214–217
Principal Causes of Death 217–218
Mortality from Fifteen Principal Causes 218
Ten Specified Causes, by Months and Periods of Age 219–220
Cancer, Table of Part of Body Affected 221
Meteorology and Table of Average Temperature 222
Barometer Pressure, Ten Years 223
Croup, by Months with Coincident Meteorological Conditions 223–224
Diphtheria, State and Geographical Divisions 225
Diphtheria, by Months with Coincident Meteorological Conditions 226
Typhoid Fever, by Months with Coincident Meteorological Conditions 226–227
Diarrheal Diseases, Twelve Years 228
Diarrhea, 1887, by Months with Coincident Meteorological Conditions 229
Scarlet Fever, " " " " " " 230
Consumption, Remarks on, Deaths by Months and Quarters 231
Consumption by Sex, Months and Periods of Age 232
Consumption, by Months with Coincident Meteorological Conditions 233
Pneumonia, by Months, Ten Years 234
Pneumonia, by Months with Coincident Meteorological Conditions 235
Consumption, Pneumonia, Typhoid Fever, Scarlet Fever, and Diarrhea, Relation to Total Deaths, by Geographical Divisions 236
Deaths from Old Age, of those Aged 70 and over, and those Aged under 5 237
Average Age of Decedents, 1885-7, and for Ten Years 238
Longevity in Certain Specified Occupations 239
Aggregate and Average Age of Decedents Aged 20 and over, by Occupations 240–246

DEPARTMENT OF STATE,
OFFICE OF THE SECRETARY,
June 21, 1889.

HON. CYRUS G. LUCE, *Governor of Michigan:*

SIR—In compliance with the requirements of the laws of this State, I have the honor to submit herewith the Twenty-first Annual Report relating to Births, Marriages and Deaths, returned for the year ending Dec. 31, 1887.

The tables and exhibits in the present volume embrace, in the main, the subjects which have been presented in previous reports, and the remarks and observations are upon the same general plan, as best calculated for satisfactory conclusions. Such facts and statistics as have been found interesting and valuable in the reports of other States and countries have been used in comparison with those of our own State. A table, showing the number of divorces granted in Michigan for a series of years, has been introduced and will be found to possess much interest. This table is on page 91 and shows the remarkable fact that in this State, during the years 1870–1886, there was one divorce granted to every 12.8 marriages. This important fact is well worthy the attention of those interested in social science.

It is gratifying to note the fact that during the year no epidemics or any unusual fatality occurred. The year indeed might be considered a healthy one, notwithstanding the fact that there was an increase in the number of deaths, which was no more than the natural result of an increase in the population. It is well in this connection to bear in mind the fact that the percentages to population in this report are based upon the census of 1884. There being no other figures upon which to make the calculations, it was necessary to use those given in the last census. These percentages are for the most part approximately correct, except in such counties as Wayne, Kent, Saginaw and some others where there has been a large increase in the population.

It appears from the data presented in this report that during the year 1887 there was comparatively a low death-rate and a high birth-rate. The death-rate was higher among the colored race than among the white; it was also higher among the foreign-born than among the native-born. The most important causes of mortality were consumption, diphtheria, pneumonia and

typhoid fever. Each year there are returned a large number of deaths among children under one year of age to which no well-defined form of disease can be attributed, and these go to swell the class of unknown diseases.

The number of births in Michigan in 1887, as shown by the returns, was 46,226, a larger number than ever returned in any preceding year. There was also returned for that year considerably the largest number of marriages ever solemnized in our State, the number being 17,050. With the exception of the month of October, the number of marriages in each month, in 1887, exceeded the monthly averages for the same months for a period of ten years, as deduced from the data collected. These facts are indicative of the material prosperity of Michigan in 1887. The number of deaths returned in 1887, 19,482, was more than in 1886, but did not greatly exceed the number returned for several preceding years.

The report is submitted with the hope that it will prove valuable to the sanitarian and to all others interested in the social and material prosperity of our State.

Very respectfully,

GILBERT R. OSMUN,

Secretary of State.

BIRTHS, MARRIAGES AND DEATHS,

IN MICHIGAN

DURING THE YEAR 1887.

The tables embraced in the following report show the more important facts concerning births, marriages and deaths as they have occurred among the inhabitants of Michigan during the year 1887.

It appears from Exhibit A, which gives a summary statement of registration for the years 1884, 1885, 1886, 1887, and the average for ten years 1877–1886, that there were returned for the year 1887, 46,226 births, 17,050 marriages, and 19,482 deaths, an aggregate of 82,758, or 6,845 more than during the year 1886.

Making a comparison with the previous year in each of these divisions of births, marriages and deaths, it is seen that there were returned 5,131 more births, 419 more marriages, and 1,295 more deaths. The average number of births returned for the ten years 1877–1886 was 37,421, the average number of marriages, 15,247, and the average number of deaths 16,165. It will be seen that the returns for 1887 far exceed these averages.

The natural increase of population, or excess of births over deaths, was 26,744, which is the largest excess recorded in any one year in Michigan. It is 3,836 more than the natural increase in 1886, and 5,488 more than the average increase for the ten years 1877–1886. In the lower part of Exhibit A the returns of births and deaths are corrected for omissions in the enumeration, and the excess of births over deaths is shown to be 31,242. This showing, however, is based upon certain hypotheses which may be more or less erroneous and hence affect the accuracy of the statement.

EXHIBIT A.—*Births, Marriages and Deaths returned as having occurred in Michigan during each of the Years 1884 to 1887, and the Average for Ten Years, 1877–1886, as returned and as corrected for omissions in the enumeration.*

		1884.	1885.	1886.	1887.	Average 10 Years, 1877–1886.
As returned.	Marriages[a]	15,989	15,881	16,647	17,050	15,247
	Births	40,408	42,119	41,095	46,226	37,421
	Deaths	18,056	16,646	18,187	19,482	16,165
	Excess of births over deaths	22,352	25,473	22,908	26,744	21,256
As corrected for omissions.	Births	55,156	58,026	60,484	58,493	53,262
	Deaths	25,133	22,704	25,210	27,251	23,543
	Excess of births over deaths	30,023	35,322	35,274	31,242	29,719

[a] Corrected for additional returns up to June 27, 1888.

POPULATION.

The estimated population of Michigan for the year 1887, calculated upon the annual rate of increase which prevailed between the census years 1880–1884, was 2,034,759. This estimate, of course, is only approximately correct, but it seems to yield more accurate results than any other method which could be adopted.

Based upon this annual rate of increase, the population of the State for the years 1880–1887, that for the years 1880 and 1884 being the actual figures as per census, would be as follows:

Years.	Population.
1880	1,636,937
1881	1,688,599
1882	1,741,891
1883	1,796,865
1884	1,853,658
1835	1,912,159
1886	1,972,507
1887	2,034,759

In Exhibit B may be seen some of the relations which exist between the births, marriages, deaths and the inhabitants of the State. The natural daily increase of population in 1887, according to the returns of births and deaths, was 73, a number larger than in any previous year. By the returns and the population of 1884, one child was born in 1887 to 40 persons, one marriage was solemnized to every 109 persons, and one death occurred to every 95 persons.

The birth-rate, marriage-rate and death-rate according to the population of 1884, represented by the returns, were as follows:

Birth-rate	25.00 to 1,000
Marriage-rate	9.20 to 1,000
Persons married	18.40 to 1,000
Death-rate	10.50 to 1,000

EXHIBIT B.—*Statements concerning Births, Marriages and Deaths in Michigan during the Years 1883-1887, inclusive.*

	1883.a	1884.b	1885.b	1886.b	1887.b
Inhabitants represented by returns of marriages to one marriage.....c	95.05	115.93	116.72	111.35	108.72
In population represented by marriages, males to one marriage	50.07	60.94	61.36	58.58	57.15
In population represented by marriages, females to one marriage	44.40	54.98	55.35	52.80	51.56
Inhabitants represented by births to each child returned	40.02	45.78	43.95	44.98	39.94
Inhabitants, males, to each male child returned	40.57	46.49	44.86	45.54	40.37
Inhabitants, females, to each female child returned	39.58	45.20	43.11	44.51	39.58
Inhabitants represented by deaths to one death	96.59	102.40	110.90	101.61	94.79
Inhabitants, males to one death of male	94.48	101.32	107.50	99.87	91.86
Inhabitants females, to one death of female	99.78	104.61	115.68	104.34	98.70
Deaths, males to 100 females	117.46	114.36	119.24	115.75	119.00
Births, males to 100 females	108.52	107.70	106.50	108.28	109.00
Total population of State, males to 100 females	111.33	110.85	110.85	110.85	110.85
Births to one death	2.41	2.24	2.53	2 26	2.37
Births, males to one death of male	2.33	2.18	2.40	2.19	2.27
Births, females to one death of female	2.52	2.32	2.69	2.34	2.49
Children born of which the sex was unknown or not stated	81.00	86.00	63.00	63.00	70.00
Decedents of which the sex was unknown or not stated	57.00	83.00	52.00	60.00	42.00
Natural daily increase of population, as per births and deaths returned	66.00	61.00	69.00	63.00	73.00
Natural daily increase of population where returns of births and deaths are corrected for omissions in the enumeration	89.00	82.00	97.00	97.00	86.00

a In computing statements for this column, the population of 1880 was used.
b In computing statements for this column, the population of 1884 was used.
c Marriages corrected for additional returns up to June 27, 1888.

Exhibit C shows the number of births, marriages, deaths and excess of births over deaths as returned for each of the years 1868-1887. The aggregate and average for these years are given at the bottom of the exhibit.

EXHIBIT C.—*The Number of Births, Marriages, Deaths and Excess of Births over Deaths, as returned for each of the Years 1868–1887.*

Years.	Births.	Marriages.	Deaths.	Excess of Births over Deaths.
1868	19,171	5,485	6,326	12,845
1869	27,093	8,459	9,145	17,948
1870	26,663	9,160	10,766	15,897
1871	25,992	10,181	9,728	16,264
1872	27,993	9,882	13,371	14,622
1873	34,608	10,574	14,258	20,350
1874	31,151	11,041	12,500	18,651
1875	31,958	11,055	11,990	19,968
1876	34,235	10,858	12,576	21,659
1877	33,395	11,009	12,919	20,476
1878	35,162	12,221	12,766	22,396
1879	34,122	13,225	14,407	19,715
1880	35,323	14,149	16,102	19,221
1881	34,749	14,847	19,238	15,511
1882	37,026	16,178	16,425	20,601
1883	40,809	16,420	16,906	23,903
1884	40,408	15,002	18,056	22,352
1885	42,119	15,016	16,646	25,473
1886	41,095	16,631	18,187	22,908
1887	46,226	17,050	19,482	26,744
Total	679,298	248,443	281,794	397,504
Average	33,965	12,422	14,090	19,875

Exhibit D shows the average number of births, marriages and deaths for certain specified periods of time within the year 1887. There was a daily average of 127 births, 47 marriages, and 53 deaths.

These figures are considerably increased when the returns are corrected, as in the lower part of the exhibit.

EXHIBIT D.—*The number of Marriages, Births, Deaths, and Excess of Births over Deaths in Michigan during the Year 1887, the Average Number and Excess for Specified Periods of Time within the year as returned, and the same for Births and Deaths as corrected for Omissions in the Enumeration.*

	Periods of Time.—1887.	Marriages, 1887.	Births, 1887.	Deaths, 1887.	Excess of Births over Deaths.
As Returned.	Year 1887 [a]	17,050	46,226	19,482	26,744
	Quarter	4,263	11,557	4,871	6,686
	Month	1,421	3,852	1,624	2,229
	Week	328	889	375	514
	Day	47	127	53	73
Births and Deaths as Corrected.	Year 1887 [b]		58,493	27,251	31,242
	Quarter		14,623	6,813	7,811
	Month		4,874	2,271	2,604
	Week		1,125	524	601
	Day		160	75	86

[a] Unknown month included.
[b] Corrected as if enumerated in months of occurrence.

The natural increase of population, or excess of births over deaths, by months, for each of the years 1882–1887 and the average for ten years, 1878–1887, may be seen in Exhibit F. The average excess for ten years, 1878–1887, was 21,896, while the excess for the year 1887 was 26,750, showing the year 1887 to be much more than an average one as regards the natural increase of population. The month of May shows the largest excess both for the year 1887 and the average.

EXHIBIT E.—*Showing, by Sex, the Population in 1884, the Number of Marriages, Births and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1887.*

State and Counties.	Population, 1884.				Marriages, 1887.	Births, 1887.				Deaths, 1887.				Excess of Births over Deaths.[a]			
	Total.	Sex.				Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.	Unknown.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
State	1,853,658	974,424	879,028	206	17,050	46,226	24,026	22,130	70	19,482	10,563	8,877	42	26,744	13,463	13,253	28
Alcona	4,028	2,428	1,600	.....	26	91	49	42	.....	26	15	11	.....	65	34	31	.....
Alger	.....	.....	.....	.....	3	13	4	9	.....	8	5	3	.....	5	-1	6	.....
Allegan	38,666	20,052	18,614	.....	339	771	387	383	1	371	186	185	.....	400	201	198	1
Alpena	12,683	6,990	5,693	.....	164	371	181	190	.....	98	55	43	.....	273	126	147	.....
Antrim	8,761	4,736	4,025	.....	68	178	80	98	.....	47	27	20	.....	131	53	78	.....
Arenac	4,027	2,319	1,708	.....	32	127	73	54	.....	75	35	40	.....	52	38	14	.....
Baraga	3,039	1,819	1,220	.....	15	58	25	32	1	23	15	7	1	35	10	25	.....
Barry	24,102	12,507	11,595	.....	169	423	190	233	.....	190	98	92	.....	233	92	141	.....
Bay	51,221	28,215	23,006	.....	334	1,365	724	638	3	463	264	197	2	902	460	441	1
Benzie	4,389	2,349	2,040	.....	31	75	31	44	.....	36	21	15	.....	39	10	29	.....
Berrien	37,776	19,225	18,551	.....	543	638	313	324	1	349	195	153	1	289	118	171	.....
Branch	27,661	14,042	13,619	.....	273	413	213	200	.....	285	150	135	.....	128	63	65	.....
Calhoun	41,585	21,297	20,285	3	349	615	310	303	2	388	189	197	2	227	121	106	.....
Cass	21,202	10,886	10,316	.....	215	340	171	169	.....	171	96	75	.....	169	75	94	.....
Charlevoix	9,275	5,030	4,245	.....	74	193	98	95	.....	71	47	24	.....	122	51	71	.....
Cheboygan	9,946	5,503	4,443	.....	79	300	159	141	.....	92	47	45	.....	208	112	96	.....
Chippewa	8,422	4,746	3,676	.....	96	168	80	88	.....	54	31	23	.....	114	49	65	.....
Clare	5,549	3,251	2,298	.....	58	128	66	62	.....	56	31	25	.....	72	35	37	.....

Clinton	27,135	14,034	13,101	.....	210	491	242	246	3	239	132	104	3	252	110	142	.....
Crawford	2,389	1,381	1,008	.....	25	39	17	22	.....	29	20	9	.....	10	-3	13	.....
Delta	9,992	5,876	4,116	.....	127	339	163	176	.....	143	90	53	.....	196	73	123	.....
Eaton	31,802	16,210	15,592	.....	269	516	285	230	1	335	173	161	1	181	112	69	.....
Emmet	7,944	4,095	3,849	.....	53	159	82	74	3	97	58	39	.....	62	24	35	3
Genesee	38,776	19,782	18,994	.....	338	550	225	265	.....	281	145	136	.....	269	140	129	.....
Gladwin	1,539	899	640	.....	23	39	16	23	.....	11	6	5	.....	28	10	18	.....
Gogebic	.....	.....	.....	.....	99	106	61	43	2	86	66	20	.....	20	-5	23	2
Grand Traverse	12,092	6,522	5,570	.....	125	189	92	97	.....	123	67	56	.....	66	25	41	.....
Gratiot	25,049	13,204	11,845	.....	214	535	265	270	.....	202	116	86	.....	333	149	184	.....
Hillsdale	31,686	15,911	15,775	.....	349	394	217	177	.....	299	153	146	.....	95	64	31	.....
Houghton	26,146	14,168	11,978	.....	257	1,015	518	497	.....	361	200	161	.....	654	318	336	.....
Huron	24,521	12,934	11,585	2	156	800	412	385	3	222	122	100	.....	578	290	285	3
Ingham	34,939	17,917	17,022	.....	338	572	288	284	.....	374	171	203	.....	198	117	81	.....
Ionia	32,559	17,057	15,502	.....	282	510	276	233	1	263	143	120	.....	247	133	113	1
Iosco	10,602	6,060	4,542	.....	139	336	198	138	.....	105	62	43	.....	231	136	95	.....
Iron	.....	.....	.....	.....	13	101	47	53	1	46	32	14	.....	55	15	39	1
Isabella	16,011	8,597	7,414	.....	154	420	216	204	.....	163	80	83	.....	257	136	121	.....
Jackson	45,232	23,385	21,847	.....	302	602	313	288	1	330	172	157	1	272	141	131	.....
Kalamazoo	35,281	17,875	17,406	.....	416	684	379	302	3	476	273	203	.....	208	106	99	3
Kalkaska	4,493	2,470	2,023	.....	44	84	48	36	.....	42	23	18	1	42	25	18	-1
Kent	84,600	43,467	41,133	.....	919	2,070	1,079	991	.....	944	496	447	1	1,126	583	544	-1
Keweenaw	4,667	2,551	2,116	.....	9	91	49	42	.....	40	20	20	.....	51	29	22	.....
Lake	7,539	4,528	3,011	.....	40	59	31	28	.....	23	15	8	.....	36	16	20	.....
Lapeer	30,057	15,568	14,489	.....	211	593	301	290	2	229	115	112	2	364	186	178	.....
Leelanaw	7,128	3,842	3,286	.....	39	213	106	107	.....	99	56	43	.....	114	50	64	.....
Lenawee	49,584	24,916	24,668	.....	463	707	348	359	.....	383	200	182	1	324	148	177	-1

a The figures with the minus sign placed before them indicate the excess of deaths over births.

EXHIBIT E.—CONTINUED.

State and Counties.	Population, 1884.				Marriages, 1887.	Births, 1887.				Deaths, 1887.				Excess of Births over Deaths.			
	Total.	Sex.				Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.	Unknown.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
Livingston	21,568	11,254	10,314	.....	168	332	169	163	.....	153	88	65	.....	179	81	98	.....
Luce	.....	.....	.....	.....	6	50	18	26	6	17	5	9	3	33	13	17	3
Mackinac	5,171	2,948	2,223	.....	51	101	52	49	.....	39	20	19	.....	62	32	30	.....
Macomb	31,293	15,978	15,315	.....	213	702	363	338	1	327	176	150	1	375	187	188	.....
Manistee	19,875	10,879	8,996	.....	196	712	369	343	.....	273	130	143	.....	439	239	200	.....
Manitou	1,198	547	456	195	5	21	10	11	.....	12	8	4	.....	9	2	7	.....
Marquette	31,397	17,580	13,817	.....	329	978	535	443	.....	385	246	139	.....	593	289	304	.....
Mason	13,221	7,232	5,989	.....	114	345	182	163	.....	93	48	45	.....	252	134	118	.....
Mecosta	20,597	11,283	9,314	.....	157	367	192	175	.....	122	72	50	.....	245	120	125	.....
Menominee	19,120	11,488	7,632	.....	244	763	388	368	7	327	204	118	5	436	184	250	2
Midland	8,776	4,728	4,048	.....	69	231	133	98	.....	79	43	36	.....	152	90	62	.....
Missaukee	3,386	2,036	1,350	.....	22	102	55	47	.....	29	11	18	.....	73	44	29	.....
Monroe	33,353	17,186	16,167	.....	318	757	394	360	3	337	187	148	2	420	207	212	1
Montcalm	35,356	18,774	16,581	1	249	654	311	339	4	213	114	96	3	441	197	243	1
Montmorency	845	494	351	.....	6	38	20	18	.....	8	4	4	.....	30	16	14	.....
Muskegon	37,554	20,522	17,029	3	364	994	522	471	1	406	218	187	1	588	304	284	.....
Newaygo	18,996	10,684	8,312	.....	140	259	136	123	.....	94	43	51	.....	165	93	72	.....
Oakland	41,100	20,821	20,279	.....	325	603	318	283	2	379	215	162	2	224	103	121	.....
Oceana	14,519	7,859	6,660	.....	122	287	151	136	.....	102	57	45	.....	18.	94	91	.....
Ogemaw	3,637	2,041	1,596	.....	38	116	68	48	.....	41	27	14	.....	75	41	34	.....
Ontonagon	4,836	3,329	1,507	.....	24	48	24	24	.....	31	14	17	.....	17	10	7	.....

Oscesola	14,001	7,533	6,468	.....	142	352	180	172	.....	153	93	60	.....	199	87	112	.....
Oscoda	1,374	798	576	.....	25	34	18	16	.....	17	9	8	.....	17	9	8	.....
Otsego	3,906	2,223	1,683	.....	23	94	52	42	.....	35	21	14	.....	59	31	28	.....
Ottawa	36,225	18,970	17,255	.....	298	869	434	434	1	368	179	189	.....	501	255	245	1
Presque Isle	4,064	2,168	1,896	.....	40	142	65	77	.....	40	20	20	.....	102	45	57	.....
Roscommon	2,588	1,813	775	.....	12	22	11	11	.....	5	4	1	.....	17	7	10	.....
Saginaw	74,795	41,588	33,207	.....	636	2,086	1,087	999	.....	894	503	391	.....	1,192	584	608	.....
Sanilac	29,583	15,578	14,005	.....	201	535	413	422	.....	280	145	135	.....	555	268	287	.....
Schoolcraft	3,846	2,568	1,278	.....	46	59	29	30	.....	18	12	6	.....	41	17	24	.....
Shiawassee	28,078	14,731	13,347	.....	231	411	197	214	.....	160	86	74	.....	251	111	140	.....
St. Clair	46,783	24,058	22,723	2	466	1,037	549	488	.....	489	252	237	.....	548	297	251	.....
St. Joseph	26,277	13,295	12,982	.....	271	399	210	186	3	244	127	114	3	155	83	72	.....
Tuscola	30,726	16,126	14,600	.....	276	648	322	323	3	276	136	138	2	372	186	185	1
Van Buren	30,341	15,377	14,964	.....	274	546	273	273	.....	281	152	129	.....	265	121	144	.....
Washtenaw	41,694	21,067	20,627	.....	332	662	367	294	1	378	210	168	.....	284	157	126	1
Wayne	188,966	94,492	94,474	.....	2,009	10,857	5,808	5,039	10	3,543	1,923	1,616	4	7,314	3,885	3,423	6
Wexford	10,518	5,732	4,786	.....	126	232	113	119	.....	86	48	38	.....	146	65	81	.....

EXHIBIT F.—*By Months, the Births, Deaths and Excess of Births over Deaths, according to the Returns, in Michigan, during each of the Years 1882-1887, inclusive.*

		Total.[a]	Months.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1882	Births	36,985	2,486	2,536	3,004	3,059	3,031	2,733	3,100	3,521	3,444	3,379	3,215	3,477
	Deaths	16,347	978	1,171	1,372	1,311	1,480	1,264	1,284	1,453	1,545	1,498	1,421	1,570
	Excess of Births	20,638	1,508	1,365	1,632	1,748	1,551	1,469	1,816	2,068	1,899	1,881	1,794	1,907
1883	Births	40,767	2,654	2,734	3,312	3,455	3,667	3,333	3,576	3,765	3,694	3,664	3,358	3,555
	Deaths	16,857	1,066	1,134	1,374	1,500	1,430	1,254	1,439	1,651	1,613	1,401	1,397	1,598
	Excess of Births	23,910	1,588	1,600	1,938	1,955	2,237	2,079	2,137	2,114	2,081	2,263	1,961	1,957
1884	Births	40,359	2,748	2,878	3,498	3,430	3,480	3,407	3,482	3,673	3,559	3,445	3,215	3,544
	Deaths	18,000	1,087	1,181	1,421	1,382	1,456	1,266	1,520	1,917	1,877	1,752	1,526	1,615
	Excess of Births	22,359	1,661	1,697	2,077	2,048	2,024	2,141	1,962	1,756	1,682	1,693	1,689	1,929
1885	Births	42,083	2,707	2,987	3,533	3,618	3,730	3,346	3,567	3,924	3,995	3,624	3,363	3,689
	Deaths	16,590	1,131	1,267	1,421	1,474	1,286	1,185	1,363	1,486	1,559	1,492	1,362	1,564
	Excess of Births	25,493	1,576	1,720	2,112	2,144	2,444	2,161	2,204	2,438	2,436	2,132	2,001	2,125
1886	Births	41,044	2,617	2,858	3,456	3,640	3,498	3,352	3,598	3,781	3,707	3,540	3,270	3,727
	Deaths	18,127	1,065	1,093	1,462	1,396	1,376	1,281	1,461	1,887	1,889	1,761	1,615	1,841
	Excess of Births	22,917	1,552	1,765	1,994	2,244	2,122	2,071	2,137	1,894	1,818	1,779	1,655	1,886
1887	Births	46,166	3,132	3,150	3,987	3,896	3,960	3,666	4,011	4,366	4,331	3,944	3,765	4,058
	Deaths	19,416	1,249	1,274	1,535	1,599	1,472	1,405	1,915	2,055	1,916	1,699	1,554	1,743
	Excess of Births	26,750	1,883	1,876	2,452	2,297	2,488	2,261	2,096	2,311	2,415	2,245	2,211	2,315
Monthly averages of excess for 1878 to 1887, inclusive		21,896	1,559	1,585	1,898	1,879	1,965	1,900	1,881	1,864	1,850	1,866	1,751	1,898

[a] Unknown month excluded.

BIRTHS, 1887.

The number of births returned in 1887 was 46,226, which was the largest reported for any year since the beginning of registration in Michigan. It is 5,131 larger than in the year 1886; and 8,805 larger than the average for the ten years 1877–1886. This great increase is largely due to the increased number of births returned from Wayne county and especially from the city of Detroit. In 1886, there were returned from Wayne county 6,388 births, but in 1887 there were 10,857, a difference of 4,469. While the increase of births should follow the increase of population with a certain degr e of regu_ larity, it is hardly probable that this increase from Wayne county was entirely the result of increase of population, but from a more perfect registration as well.

The following tabular exhibit shows, according to our system of correction, what per cent of births has been returned and also what per cent has been added as a correction for omissions in the enumeration for the years 1878–1887. In 1887, 79 per cent of the births were returned, while the average for ten years was only 71 per cent.

Years.	Per Cent of Births Returned.	Per Cent of Births added as Correction for Omissions.
1878	67.41	48.34
1879	68.05	46.91
1880	69.73	43.42
1881	69.76	43.35
1882	74.31	34.57
1883	72.57	37.79
1884	73.24	36.54
1885	72.57	37.80
1886	67.92	47.24
1887	79.01	26.57
Average for 10 years	71.46	40.25

The census returns of 1884 being the only trustworthy basis on which to make the computations for the present year, the increase in population should be considered when comparisons are made with previous years. As the calculations are made on the same basis of population, however, the relative conclusions for the year 1887 are reliable.

The birth-rate for 1887, including still-births, was 2.50 for every hundred persons, or 25.0 for every thousand. When the returns of births are corrected for omissions because of late records, the birth-rate was 3.17 per hundred, or 31.7 per thousand.

Sex.	Inhabitants in 1884 Represented by births in 1887.	Births as Returned.	Births Corrected for Omissions in Enumerating.	Per Cent of Births to Inhabitants.	
				Births as Returned.	Births Corrected for Omissions.
Total	1,846,181	46,226	58,493	2.50	3.17

The average number of births per quarter, month, week and day for the year 1887 may be seen in the following tabular exhibit :

Periods of Time.	Births as Returned.	Corrected for Omissions.	Corrected with 40.25 Per Cent.
Per quarter	11,557	14,623	16,208
Per month	3,852	4,874	5,403
Per week	889	1,125	1,247
Per day	127	160	178

In Table 1 is shown the relation of the births to seasons of the year. As usual, the third quarter ending with September has the largest proportion of births, and the last six months of the year return more births than the first six months. When the returns of births are corrected for omissions, as is done in the lower part of the table, it has the effect of distributing the births more equally throughout the year.

TABLE 1.—*Births by Quarters of the year for the years 1884–1887, and the Average for Ten Years 1877–1886.*

	Totals and Months with which Quarters end.	1884.		1885.		1886.		1887.		Average for 10 Years 1877-1886.	
		Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.
	Totals	40,408	100.00	42,119	100.00	41,095	100.00	46,226	100.00	37,421	100.00
As Returned.	March	9,124	22.58	9,227	21.90	8,931	21.73	10,269	22.21	8,150	21.78
	June	10,317	25.53	10,694	25.39	10,490	25.53	11,522	24.93	9,237	24.68
	September	10,714	26.52	11,486	27.27	11,066	26.93	12,608	27.27	10,143	27.11
	December	10,204	25.25	10,676	25.35	10,537	25.64	11,767	25.46	9,849	26.32
	Unknown	49	.12	36	.09	51	.12	60	.13	42	.11
	a Average	10,102	25.00	10,530	25.00	10,274	25.00	11,557	25.00	9,355	25.00
	Totals	55,156	100.00	58,026	100.00	60,484	100.00	58,493	100.00	53,262	100.00
As Corrected for Omissions.	March	13,932	25.26	14,278	24.61	15,050	24.88	14,222	24.31	13,184	24.75
	June	14,692	26.64	15,417	26.57	16,288	26.93	15,096	25.81	13,826	25.96
	September	14,118	25.59	15,267	26.31	15,664	25.90	15,528	26.55	12,915	26.13
	December	12,365	22.42	13,028	22.45	13,431	22.21	13,587	23.23	12,295	23.08
	Unknown	49	.09	36	.06	51	.08	60	.10	42	.08
	a Average	13,789	25.00	14,507	25.00	15,121	25.00	14,623	25.00	13,316	25.00

a The number in unknown quarter of the year included.

In Table 2, the months having the greatest number of births are placed first in order. September stands at the head of the list of months for the years 1885 and 1887, while August heads the list for 1886 and the average. The smallest number of births was returned in January for each year and the average. The difference between the largest number returned in September, 1887, and the smallest in January, was 1,199.

TABLE 2.—*Births during the years 1885-1887, according to the Returns, the Average for ten years 1877-1886, showing Number and Percentage, by months, in order of greatest first.*

Order.	1885.			1886.			1887.			Average for 10 Years, 1877-1886.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total...	42,119	100.00	Total...	41,095	100.00	Total...	46,226	100.00	Total...	37,421	100.00
1	Sept....	3,995	9.46	Aug....	3,781	9.20	Sept....	4,331	9.37	Aug....	3,498	9.35
2	Aug....	3,924	9.32	Dec....	3,727	9.07	Aug....	4,266	9.23	Sept....	3,434	9.17
3	May....	3,730	8.86	Sept....	3,707	9.02	Dec....	4,058	8.78	Dec....	3,425	9.15
4	Dec....	3,689	8.76	Apr....	3,640	8.86	July...	4,011	8.68	Oct....	3,322	8.88
5	Oct....	3,624	8.60	July...	3,598	8.76	Mar....	3,987	8.62	July...	3,211	8.58
6	Apr....	3,618	8.59	Oct....	3,540	8.61	May...	3,960	8.57	May...	3,150	8.42
7	July...	3,567	8.47	May....	3,498	8.51	Oct....	3,944	8.53	Apr....	3,113	8.32
8	Mar....	3,533	8.39	Mar....	3,456	8 41	Apr....	3,896	8.43	Nov....	3,102	8.29
9	Nov....	3,363	7.99	June...	3,352	8.16	Nov....	3,765	8.14	Mar....	3,077	8.22
10	June...	3,346	7.94	Nov....	3,270	7.96	June...	3,666	7.93	June...	2,974	7.95
11	Feb....	2,987	7.09	Feb....	2,858	6.95	Feb....	3,150	6.81	Feb....	2,593	6.93
12	Jan....	2,707	6.43	Jan....	2,617	6.77	Jan....	3,132	6.78	Jan....	2,480	6.63
	Unk....	36	.09	Unk....	51	.12	Unk....	60	.13	Unk....	42	.11
	Av.a....	3,510	8.33	Av.a....	3,425	8.33	Av.a....	3,852	8.33	Av.a....	3,118	8.33

a Including births in unknown month.

Table 3 shows the order of the months after the returns of births are corrected for the probable omissions in the enumeration. By comparing this with Table 2 it will be observed that the order of the months is not the same, the month of March heading the list for the year 1887 and also for the average. The month of November appears to have the lowest proportion, not only in the average but also in each year of the table.

TABLE 3.—*Births during the Years 1885-1887, and the Average for Ten Years 1877-1886, as corrected for Omissions in the Enumerations, exhibiting the Number and Percentage, by Months, in order of greatest first.*

Order.	1885.			1886.			1887.			Average for 10 Years, 1877-1886.		
	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.
	Total..	58,026	100.00	Total..	60,484	100.00	Total..	58,493	100.00	Total..	53,262	100.00
1	May...	5,374	9.26	April..	5,815	9.61	March.	5,428	9.28	March.	4,859	9.13
2	March.	5,349	9.22	March.	5,680	9.39	Aug. ..	5,257	8.99	Aug. ..	4,803	9.02
3	April..	5,345	9.20	May...	5,427	8.97	Sept...	5,225	8.93	April..	4,787	8.99
4	Aug....	5,221	9.00	Aug....	5,344	8.84	April..	5,203	8.89	May...	4,711	8.85
5	Sept...	5,169	8.91	July ..	5,251	8.68	May...	5,186	8.87	Sept...	4,571	8.58
6	July...	4,877	8.40	Sept...	5,069	8.38	July...	5,046	8.63	July...	4,541	8.50
7	June ..	4,698	8.10	June...	5,046	8.34	June...	4,707	8.05	June...	4,338	8.13
8	Feb....	4,633	7.98	Feb....	4,828	7.98	Oct....	4,657	7.96	Oct.....	4,286	8.05
9	Oct.....	4,556	7.85	Oct....	4,678	7.74	Dec....	4,582	7.83	Feb....	4,202	7.89
10	Dec....	4,367	7.53	Dec....	4,582	7.58	Jan. ..	4,425	7.57	Dec....	4,136	7.77
11	Jan....	4,297	7.42	Jan....	4,542	7.51	Feb....	4,369	7.47	Jan....	4,123	7.74
12	Nov....	4,105	7.07	Nov....	4,171	6.90	Nov....	4,348	7.43	Nov....	3,873	7.27
	Unk...	36	.06	Unk. .	51	.08	Unk. ..	60	.10	Unk. ..	42	.08
	Av.a...	4,836	8.33	Av. a...	5,040	8.33	Av.a...	4,874	8.33	Av.a...	4,439	8.33

a Including births in unknown month.

PROPORTION OF THE SEXES.

According to the returns, the number of male children born in Michigan during the year 1887, was 24,026, and the number of female children 22,130. In every year the births of males in this State have largely exceeded the births of females. For a period of twenty years from 1868 to 1887 the average excess of male births has been 109 males to each 100 females, and for 1887 there were also 109 males to 100 females.

The number of births in 1887, in which the sex was not returned was 70, which is 7 more than were reported in 1886.

TABLE 4.—*Exhibiting, by Counties and by Sex, the Number of Births Returned for the Year, and in each month of the year ending December 31, 1887. (Still-births included.)*

State and Counties.	Sex.	Year, 1887.	Months, 1887.											
			anuary.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State	Totals	46,226	3132	3150	3987	3896	3960	3666	4011	4266	4331	3944	3765	4058	60
	Males	24,026	1633	1655	2100	1991	2028	1892	2074	2220	2219	2067	1973	2150	24
	Females	22,130	1496	1492	1881	1900	1926	1770	1928	2040	2107	1872	1788	1901	29
	Unknown	70	3	3	6	5	6	4	9	6	5	5	4	7	7
Alcona	Totals	91	1	4	12	9	3	4	8	10	15	6	11	8	...
	Males	49	.....	3	8	3	1	1	4	4	9	3	7	6	...
	Females	42	1	1	4	6	2	3	4	6	6	3	4	2	...
Alger	Totals	13	3	.....	2	.....	1	.....	1	1	2	.....	.....	3	...
	Males	4	.....	.....	.....	.....	1	.....	.....	1	1	.....	.....	1	...
	Females	9	3	.....	2	.....	.....	.....	1	.....	1	.....	.....	2	...
Allegan	Totals	771	50	54	72	65	56	58	71	85	82	73	59	45	1
	Males	387	21	32	26	37	21	29	31	41	48	43	32	26	...
	Females	383	29	22	46	28	35	29	40	43	34	30	27	19	1
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	...
Alpena	Totals	371	20	30	37	38	36	28	37	36	25	26	21	36	1
	Males	181	13	12	19	19	20	12	19	16	11	15	10	14	1
	Females	190	7	18	18	19	16	16	18	20	14	11	11	22	...
Antrim	Totals	178	13	12	14	16	14	13	12	24	18	11	21	10	...
	Males	80	7	7	3	6	8	5	7	12	7	2	10	6	...
	Females	98	6	5	11	10	6	8	5	12	11	9	11	4	...
Arenac	Totals	127	2	7	11	14	5	13	10	15	18	12	8	12	...
	Males	73	1	3	6	10	3	7	7	8	8	7	4	9	...
	Females	54	1	4	5	4	2	6	3	7	10	5	4	3	...
Baraga	Totals	58	4	5	6	10	5	5	4	3	5	5	4	2	...
	Males	25	1	2	2	4	4	1	1	2	4	.....	2	2	...
	Females	32	3	3	3	6	1	4	3	1	1	5	2	.....	...
	Unknown	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	...
Barry	Totals	423	22	22	30	34	36	32	41	35	49	42	35	45	...
	Males	190	9	11	13	11	17	16	20	13	19	25	15	21	...
	Females	233	13	11	17	23	19	16	21	22	30	17	20	24	...

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Bay	Totals	1,365	108	90	117	117	117	92	114	120	131	87	125	140	7
	Males	724	52	55	72	58	65	55	56	66	62	42	68	70	3
	Females	638	56	35	45	59	52	37	58	52	69	45	57	70	3
	Unknown	3	-----	-----	-----	-----	-----	-----	-----	2	-----	-----	-----	-----	1
Benzie	Totals	75	3	4	6	4	6	11	6	14	8	4	2	7	...
	Males	31	1	2	2	2	1	4	-----	6	4	3	2	4	...
	Females	44	2	2	4	2	5	7	6	8	4	1	-----	3	...
Berrien	Totals	638	51	37	66	44	50	59	57	56	47	53	53	65	...
	Males	313	30	11	34	18	30	30	23	31	22	28	21	35	...
	Females	324	21	26	32	26	20	29	34	25	25	25	31	30	...
	Unknown	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	...
Branch	Totals	413	28	36	33	27	24	33	41	32	42	45	37	33	2
	Males	213	14	13	20	14	12	13	27	22	21	25	18	13	1
	Females	200	14	23	13	13	12	20	14	10	21	20	19	20	1
Calhoun	Totals	615	40	33	43	48	61	50	62	48	57	56	59	56	2
	Males	310	16	19	25	22	28	28	31	28	31	34	26	22	...
	Females	303	24	14	18	26	33	22	30	20	26	22	32	34	2
	Unknown	2	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	1	-----	...
Cass	Totals	340	16	23	30	36	29	21	27	35	33	29	25	36	...
	Males	171	8	12	18	15	18	9	12	16	15	19	11	18	...
	Females	169	8	11	12	21	11	12	15	19	18	10	14	18	...
Charlevoix	Totals	193	12	11	23	25	10	12	21	19	25	11	15	9	...
	Males	98	6	8	13	12	6	3	11	10	11	5	7	6	...
	Females	95	6	3	10	13	4	9	10	9	14	6	8	3	...
Cheboygan	Totals	300	28	18	15	23	35	23	26	23	22	33	31	23	...
	Males	159	17	9	8	11	25	12	12	14	8	18	13	12	...
	Females	141	11	9	7	12	10	11	14	9	14	15	18	11	...
Chippewa	Totals	168	11	7	16	11	22	14	18	14	13	11	17	14	...
	Males	80	6	2	4	8	8	8	10	8	8	6	7	5	...
	Females	88	5	5	12	3	14	6	8	6	5	5	10	9	...
Clare	Totals	128	4	7	10	12	10	13	12	6	11	15	11	15	2
	Males	66	2	2	5	9	6	6	7	1	5	7	6	8	2
	Females	62	2	5	5	3	4	7	5	5	6	8	5	7	...
Clinton	Totals	491	44	44	37	36	41	35	38	59	41	47	36	33	...
	Males	242	18	26	20	14	23	22	15	28	20	22	18	16	...
	Females	246	25	18	16	22	18	13	23	30	21	25	18	17	...
	Unknown	3	1	-----	1	-----	...	-----	-----	1	-----	-----	-----	-----	...

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Crawford	Totals	39	4	-----	5	4	3	2	4	7	5	1	3	1	---
	Males	17	1	-----	3	3	2	1	-----	3	1	1	2	-----	---
	Females	22	3	-----	2	1	1	1	4	4	4	-----	1	1	---
Delta	Totals	339	17	15	40	31	41	32	35	33	28	25	19	22	1
	Males	163	7	9	21	16	18	14	13	14	19	10	10	11	1
	Females	176	10	6	19	15	23	18	22	19	9	15	9	11	---
Eaton	Totals	516	30	30	42	46	55	45	39	46	51	53	39	40	---
	Males	225	18	18	23	27	27	23	17	24	30	33	21	24	---
	Females	230	12	12	19	19	27	22	22	22	21	20	18	16	---
	Unknown	1	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	---
Emmet	Totals	159	9	10	14	7	19	15	20	17	14	8	10	15	1
	Males	82	7	1	10	2	13	9	13	9	6	2	3	10	---
	Females	74	2	9	4	5	6	6	9	7	7	6	7	5	1
	Unknown	3	-----	-----	-----	-----	-----	-----	1	1	1	-----	-----	-----	---
Genesee	Totals	550	29	39	39	46	52	47	53	60	49	32	54	50	---
	Males	285	12	16	23	25	34	22	28	31	29	19	22	24	---
	Females	265	17	23	16	21	18	25	25	29	20	13	32	26	---
Gladwin	Totals	39	5	-----	1	4	3	8	2	4	3	3	2	4	---
	Males	16	3	-----	-----	2	-----	4	2	2	-----	-----	1	2	---
	Females	23	2	-----	1	2	3	4	-----	2	3	3	1	2	---
Gogebic	Totals	106	11	1	11	9	8	7	5	13	11	7	10	10	3
	Males	61	7	-----	8	7	-----	3	4	8	5	4	8	7	---
	Females	43	4	1	3	2	8	4	1	5	6	3	2	3	1
	Unknown	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2
Gr. Traverse	Totals	189	15	14	17	17	21	16	18	16	20	11	10	14	---
	Males	92	6	8	9	7	9	13	9	10	8	3	3	7	---
	Females	97	9	6	8	10	12	3	9	6	12	8	7	7	---
Gratiot	Totals	535	23	27	33	43	51	47	46	65	54	51	51	42	2
	Males	265	8	14	16	20	23	26	27	28	31	28	24	19	1
	Females	270	15	13	17	23	28	21	19	37	23	23	27	23	1
Hillsdale	Totals	394	22	30	30	41	35	23	20	37	45	37	37	37	---
	Males	217	10	20	18	18	15	10	13	23	18	22	25	25	---
	Females	177	12	10	12	23	20	13	7	14	27	15	12	12	---
Houghton	Totals	1,015	52	68	90	77	77	95	87	94	100	91	84	98	2
	Males	518	31	37	42	37	35	49	51	42	54	41	43	54	2
	Females	497	21	31	48	40	42	46	36	52	46	50	41	44	---

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1887.	Months, 1887.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Huron	Totals	800	61	66	62	70	84	59	62	65	67	66	61	77	...
	Males	412	38	35	37	31	40	31	31	34	30	35	33	37	...
	Females	385	23	31	25	39	44	26	31	31	36	31	28	40	...
	Unknown	3	...	...	...	...	...	2	...	...	1	...	...	...	...
Ingham	Totals	572	40	44	55	39	49	51	45	61	50	56	40	41	1
	Males	288	17	23	26	20	17	28	21	31	28	31	24	22	...
	Females	284	23	21	29	19	32	23	24	30	22	25	16	19	1
Ionia	Totals	510	28	34	40	31	43	37	46	59	50	45	43	54	...
	Males	276	19	15	21	12	21	23	25	37	29	26	20	28	...
	Females	233	9	19	18	19	22	14	21	22	21	19	23	26	...
	Unknown	1	...	...	1	...	...	...	...	...	...	...	...	...	...
Iosco	Totals	336	22	21	28	31	54	36	40	25	14	23	21	21	...
	Males	198	13	12	15	19	33	21	23	14	8	15	11	14	...
	Females	138	9	9	13	12	21	15	17	11	6	8	10	7	...
Iron	Totals	101	7	7	4	12	8	7	7	12	11	13	8	3	3
	Males	47	2	6	2	6	2	2	2	8	5	8	3	...	1
	Females	53	5	1	2	6	6	5	5	4	6	5	5	3	...
	Unknown	1	...	...	...	...	...	...	...	...	...	...	...	...	1
Isabella	Totals	420	13	24	26	42	55	41	55	34	44	24	24	38	...
	Males	216	6	14	15	25	28	22	24	17	24	13	9	19	...
	Females	204	7	10	11	17	27	19	31	17	20	11	15	19	...
Jackson	Totals	602	31	42	54	44	50	47	51	59	54	51	58	61	...
	Males	313	24	17	28	22	27	29	28	27	22	26	28	35	...
	Females	288	7	25	26	21	23	18	23	32	32	25	30	26	...
	Unknown	1	...	...	...	1	...	...	...	...	...	...	...	...	...
Kalamazoo	Totals	684	45	51	47	66	48	54	49	76	80	58	52	54	4
	Males	379	27	29	26	35	24	27	30	40	47	31	39	23	1
	Females	302	18	22	21	31	24	26	19	36	33	26	13	31	2
	Unknown	3	...	...	...	...	...	1	...	...	...	1	...	...	1
Kalkaska	Totals	84	3	7	7	2	10	10	7	13	8	5	10	2	...
	Males	48	2	4	5	2	4	5	5	7	6	2	6	...	...
	Females	36	1	3	2	...	6	5	2	6	2	3	4	2	...
Kent	Totals	2,070	124	139	151	153	156	167	211	214	184	191	171	209	...
	Males	1,079	66	71	81	83	61	101	103	97	106	103	94	113	...
	Females	991	58	68	70	70	95	66	108	117	78	88	77	96	...

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Keweenaw	Totals	91	7	5	11	14	10	11	8	7	5	2	8	3	---
	Males	49	4	3	7	8	5	3	4	5	3	2	5	-----	---
	Females	42	3	2	4	6	5	8	4	2	2	-----	3	3	---
Lake	Totals	59	3	9	5	3	6	4	4	5	6	7	2	5	---
	Males	31	2	6	4	2	3	-----	1	4	3	3	1	2	---
	Females	28	1	3	1	1	3	4	3	1	3	4	1	3	---
Lapeer	Totals	593	39	35	49	58	58	54	42	53	64	44	47	50	---
	Males	301	16	15	24	29	27	33	23	23	32	25	26	28	---
	Females	290	23	19	25	29	30	21	19	30	32	19	21	22	---
	Unknown	2	----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	---
Leelanaw	Totals	213	15	13	14	20	24	19	16	26	14	27	13	12	---
	Males	106	7	8	6	8	15	8	10	12	7	11	7	7	---
	Females	107	8	5	8	12	9	11	6	14	7	16	6	5	---
Lenawee	Totals	707	52	48	62	54	54	49	42	64	82	68	67	61	4
	Males	348	27	18	31	30	21	24	24	30	43	34	39	26	1
	Females	359	25	30	31	24	33	25	18	34	39	34	28	35	3
Livingston	Totals	332	21	23	27	32	33	23	23	36	34	29	27	23	1
	Males	169	12	9	12	19	20	13	12	12	14	15	16	14	1
	Females	163	9	14	15	13	13	10	11	24	20	14	11	9	---
Luce	Totals	50	6	5	3	4	9	1	4	6	4	3	4	1	---
	Males	18	4	1	1	4	4	-----	-----	3	1	-----	-----	-----	---
	Females	26	2	3	2	-----	3	1	2	3	3	2	4	1	---
	Unknown	6	-----	1	-----	-----	2	-----	2	-----	-----	1	-----	-----	---
Mackinac	Totals	101	10	6	3	10	11	6	8	8	14	6	9	10	---
	Males	52	5	2	1	5	6	5	4	4	4	4	6	6	---
	Females	49	5	4	2	5	5	1	4	4	10	2	3	4	---
Macomb	Totals	702	55	40	64	65	53	42	63	59	72	70	68	51	---
	Males	363	30	24	29	29	25	18	33	28	37	38	39	33	---
	Females	338	25	16	35	35	28	24	30	31	35	32	29	18	---
	Unknown	1	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	---
Manistee	Totals	712	41	49	65	46	72	41	76	61	76	47	68	70	---
	Males	369	21	27	35	28	32	25	37	31	31	25	37	40	---
	Females	343	20	22	30	18	40	16	39	30	45	22	31	30	---
Manitou	Totals	21	1	2	2	2	3	1	-----	1	3	1	4	1	---
	Males	10	-----	-----	-----	2	2	-----	-----	1	2	-----	3	-----	---
	Females	11	1	2	2	-----	1	1	-----	-----	1	1	1	1	---

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Marquette	Totals	978	66	53	82	73	63	71	74	94	111	106	84	101	---
	Males	535	32	25	39	38	37	38	49	55	62	55	43	62	---
	Females	443	34	28	43	35	26	33	25	39	49	51	41	39	---
Mason	Totals	345	26	21	24	40	37	29	30	27	33	22	29	27	---
	Males	182	13	10	11	21	19	20	16	13	17	9	18	15	---
	Females	163	13	11	13	19	18	9	14	14	16	13	11	12	---
Mecosta	Totals	367	20	19	36	35	28	26	35	36	43	27	30	32	---
	Males	192	12	12	19	18	16	10	20	18	24	13	16	14	---
	Females	175	8	7	17	17	12	16	15	18	19	14	14	18	---
Menominee	Totals	763	48	58	65	59	73	55	73	68	63	60	62	75	4
	Males	388	20	34	31	31	34	27	30	37	28	35	37	44	---
	Females	368	28	24	33	28	39	28	40	31	34	25	25	29	4
	Unknown	7	---	---	1	---	---	---	3	---	1	---	---	2	---
Midland	Totals	231	11	21	23	22	21	18	19	21	21	13	21	20	---
	Males	133	6	15	12	12	12	12	9	13	12	7	12	11	---
	Females	98	5	6	11	10	9	6	10	8	9	6	9	9	---
Missaukee	Totals	102	5	10	13	7	9	8	8	10	13	6	5	8	---
	Males	55	2	7	9	3	4	3	5	4	6	3	4	5	---
	Females	47	3	3	4	4	5	5	3	6	7	3	1	3	---
Monroe	Totals	757	46	60	61	63	65	47	59	72	77	77	56	73	1
	Males	394	24	32	29	32	32	22	35	44	40	37	26	41	---
	Females	360	22	28	32	30	33	25	24	28	37	39	30	32	---
	Unknown	3	---	---	---	1	---	---	---	---	---	1	---	---	1
Montcalm	Totals	654	38	45	46	59	63	60	53	72	64	49	57	48	---
	Males	311	14	18	20	29	43	30	24	37	29	22	25	20	---
	Females	339	24	27	26	30	19	30	29	35	35	27	31	26	---
	Unknown	4	---	---	---	---	1	---	---	---	---	---	1	2	---
Montmorency	Totals	38	2	4	6	5	5	2	2	3	1	3	3	2	---
	Males	20	---	2	3	3	5	1	---	3	1	1	---	1	---
	Females	18	2	2	3	2	---	1	2	---	---	2	3	1	---
Muskegon	Totals	994	58	74	86	77	79	90	62	93	100	83	94	95	3
	Males	522	29	35	50	35	43	50	36	55	48	42	53	44	2
	Females	471	29	39	36	42	36	40	25	38	52	41	41	51	1
	Unknown	1	---	---	---	---	---	---	1	---	---	---	---	---	---
Newaygo	Totals	259	9	13	25	19	23	18	38	19	27	32	18	17	1
	Males	136	2	5	12	9	10	11	22	13	9	19	11	12	1
	Females	123	7	8	13	10	13	7	16	6	18	13	7	5	---

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Oakland	Totals	603	36	25	52	48	51	55	49	51	68	66	49	51	2
	Males	318	20	14	27	22	27	27	30	25	39	35	24	27	1
	Females	283	16	11	25	26	24	28	19	26	29	29	25	24	1
	Unknown	2	---	-----	-----	-----	-----	-----	-----	-----	-----	2	-----	-----	---
Oceana	Totals	287	9	15	24	22	21	31	31	39	31	25	15	24	---
	Males	151	5	9	10	14	11	14	20	24	12	12	9	11	---
	Females	136	4	6	14	8	10	17	11	15	19	13	6	13	---
Ogemaw	Totals	116	4	8	12	6	9	11	14	11	10	9	15	7	---
	Males	68	2	5	9	2	5	5	9	6	5	7	9	4	---
	Females	48	2	3	3	4	4	6	5	5	5	2	6	3	---
Ontonagon	Totals	48	4	3	7	3	5	3	7	5	6	1	1	3	---
	Males	24	1	2	2	1	3	2	4	3	4	1	-----	1	---
	Females	24	3	1	5	2	2	1	3	2	2	-----	1	2	---
Osceola	Totals	352	23	18	32	32	32	27	29	45	32	32	24	26	---
	Males	180	15	10	17	14	14	14	15	22	19	18	12	10	---
	Females	172	8	8	15	18	18	13	14	23	13	14	12	16	---
Oscoda	Totals	34	1	-----	1	3	4	4	1	3	5	5	3	4	---
	Males	18	1	-----	-----	1	4	1	-----	1	3	3	1	3	---
	Females	16	-----	-----	1	2	-----	3	1	2	2	2	2	1	---
Otsego	Totals	94	5	2	1	6	10	7	8	10	16	12	8	9	---
	Males	52	3	1	1	4	4	5	4	5	8	6	4	7	---
	Females	42	2	1	-----	2	6	2	4	5	8	6	4	2	---
Ottawa	Totals	869	65	57	75	92	67	67	76	75	74	75	72	71	3
	Males	434	26	23	33	59	37	36	33	41	35	37	37	36	1
	Females	434	39	34	42	33	30	31	43	34	39	38	35	35	1
	Unknown	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1
Presque Isle	Totals	142	7	8	10	9	10	11	13	8	12	19	15	20	---
	Males	65	5	6	7	4	4	6	6	4	3	6	7	7	---
	Females	77	2	2	3	5	6	5	7	4	9	13	8	13	---
Roscommon	Totals	22	-----	2	3	1	3	3	3	1	1	4	1	-----	---
	Males	11	-----	-----	2	1	1	3	1	-----	-----	3	-----	---	---
	Females	11	-----	2	1	-----	2	-----	2	1	1	1	1	-----	---
Saginaw	Totals	2,086	151	184	213	222	166	167	166	176	172	138	158	172	1
	Males	1,087	88	97	103	116	82	83	93	91	90	75	79	89	1
	Females	999	63	87	110	106	84	84	73	85	82	63	79	83	---

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Sanilac	Totals	835	51	52	77	90	75	60	68	84	82	68	63	65	...
	Males	413	26	29	37	39	34	31	28	45	40	33	38	33	...
	Females	422	25	23	40	51	41	29	40	39	42	35	25	32	...
Schoolcraft	Totals	59	6	8	2	6	4	4	6	6	1	3	7	6	...
	Males	29	3	5	1	2	1	1	3	5	1	1	4	2	...
	Females	30	3	3	1	4	3	3	3	1	-----	2	3	4	...
Shiawassee	Totals	411	15	18	35	51	33	31	60	34	32	40	28	34	...
	Males	197	9	11	21	25	15	15	25	13	17	18	13	15	...
	Females	214	6	7	14	26	18	16	35	21	15	22	15	19	...
St. Clair	Totals	1,037	68	50	86	70	101	79	91	111	101	103	90	87	...
	Males	549	35	25	53	36	53	38	44	61	47	58	54	45	...
	Females	488	33	25	33	34	48	41	47	50	54	45	36	42	...
St. Joseph	Totals	399	15	29	45	34	30	39	35	38	34	29	38	33	...
	Males	210	8	16	25	17	16	18	19	23	21	16	17	14	...
	Females	186	7	13	19	16	14	21	16	14	13	13	21	19	...
	Unknown	3	-----	-----	1	1	-----	-----	-----	1	-----	-----	-----	-----	...
Tuscola	Totals	648	41	43	48	45	67	50	65	71	69	55	44	50	...
	Males	322	20	17	28	24	35	21	27	37	33	27	23	30	...
	Females	323	21	26	20	21	32	29	37	34	35	28	21	19	...
	Unknown	3	-----	-----	-----	-----	-----	-----	1	-----	1	-----	-----	1	...
Van Buren	Totals	546	27	37	41	52	37	53	53	46	55	53	47	45	...
	Males	273	16	20	19	28	11	21	23	20	32	28	27	28	...
	Females	273	11	17	22	24	26	32	30	26	23	25	20	17	...
Washtenaw	Totals	662	42	31	46	66	64	52	60	50	62	63	60	62	4
	Males	367	22	16	23	36	33	32	36	33	34	32	34	36	...
	Females	294	20	15	22	30	31	20	24	17	28	31	26	26	4
	Unknown	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	...
Wayne	Totals	10,857	921	819	1011	872	865	853	904	890	941	920	859	997	5
	Males	5,808	495	457	560	449	478	434	489	470	495	485	444	549	3
	Females	5,039	424	361	451	422	386	418	415	420	445	435	414	446	2
	Unknown	10	2	1	-----	1	1	1	-----	-----	1	-----	1	2	...
Wexford	Totals	232	11	15	18	15	24	22	25	26	14	25	15	22	...
	Males	113	5	6	10	10	15	8	12	13	8	9	7	10	...
	Females	119	6	9	8	5	9	14	13	13	6	16	8	12	...

By reference to Table 5 the birth-rates among the different races in Michigan may be studied as well as the proportion of the sexes. The study of this table would be more satisfactory if it contained the number of inhabitants of each race in 1887,—the year in which the births occurred. The principal feature of interest in the table, as compared with former years, is the increased birth-rate among the black inhabitants, being larger than for any year since the compilation began in this State. By removing the decimal point one place to the right it shows the birth-rate to each thousand inhabitants. According to this there were 25.1 births to each thousand among the white, 38.5 among the black, 8.2 among the mulatto, 17.2 among the Indian, and 22.00 among the black and mulatto taken together.

The proportion of the sexes among the different races may be studied in the column next to the last.

Table 6 shows the number of births in 1887 and the number of inhabitants in 1884 by county and by sex. In the study of this table some allowance must be made for defective registration, which is probably greater in some counties than in others. An examination of the table, however, shows much that is of interest concerning the birth-rates in the different counties of the State. Those counties showing the highest birth-rates for the year 1887, according to the returns, were Arenac, Cheboygan, Delta, Houghton, Huron, Iosco, Manistee, Marquette, Menominee, Presque Isle and Wayne; while the counties of Berrien, Branch, Calhoun, Eaton, Genesee, Hillsdale, Lenawee, Oakland, Shiawassee and Washtenaw show a rate considerably less, in any year or in a series of years, than that of the State as a whole.

It will thus be seen that the counties where manufacturing and mining interests are largely carried on have the highest birth-rates, while in the counties where agricultural interests predominate the birth-rate is much lower.

The following statistics, taken from the registration report of Massachusetts for 1887, show the birth-rates per 1,000 of the living population in some of the foreign countries:

Russia, 1867–78	49.4
Servia, 1879–83	43.6
Hungary, 1865–83	43.0
Sweden, 1865–82	30.2
Switzerland, 1870–83	30.2
Greece, 1865–82	28.4
Ireland, 1865–83	26.4
France, 1870–82	25.4
Germany, 1872–80	39.6
England, 1838–86	34.0

In Massachusetts the birth-rate for 1887, including still-births, was 27.34; in Rhode Island, 1885, the rate was 23.1; in Connecticut, 22.6; and in New Hampshire, 1886, 20.3.

TABLE 5.—*Exhibiting, by Color and Sex, the Population of Michigan, June 1, 1884, the number of Births returned for the year 1887, the Per Cent of Births to Population and the Per Cent of Births of each Sex to the total of both Sexes. (Still-births included.)*

Race or Color.	Sex.	Population, June 1, 1884, Represented by Births in 1887.	Children born in 1887.	Per Cent of Births of each Color to total of all Colors by Sex.	Per Cent of Children Born to Inhabitants.	Per Cent of each Sex to Children of both Sexes.	Inhabitants to one Child born, by Color and Sex.
All colors	Totals	a 1,846,181	46,226	100.00	2.50	.....	39.94
	Males	970,044	24,026	100.00	2.48	52.05	40.37
	Females	875,931	22,130	100.00	2.53	47.95	39.58
	Unknown	206	70	100.00	.....	.....	.....
White	Totals	1,823,221	45,650	98.75	2.51	.....	39.94
	Males	958,112	23,733	98.78	2.48	52.07	40.37
	Females	865,099	21,850	98.73	2.53	47.93	39.59
	Unknown	10	67	95.71	.....	.....	.....
Black	Totals	6,851	264	.57	3.85	.....	25.95
	Males	3,689	142	.59	3.85	53.79	25.98
	Females	3,162	122	.55	3.86	46.21	25.93
Mulatto	Totals	8,258	68	.15	.82	.....	121.44
	Males	4,202	37	.15	.88	54.41	113 57
	Females	4,056	31	.14	.76	45.59	130.84
Indian	Totals	6,740	116	.25	1.72	.....	58.10
	Males	3,494	57	.24	1.63	49.14	61.30
	Females	3,246	59	.27	1.82	50.86	55.02
Unknown color	Totals	1,041	128	.28	12.30	.....	8.15
	Males	477	57	.24	11.95	45.60	8.37
	Females	368	68	.31	18.48	54.40	5.41
	Unknown	196	3	4.29	.....	.....	.....
Black and Mulatto	Totals	15,109	332	.72	2.20	.....	45.51
	Males	7,891	179	.75	2.27	53.92	44.08
	Females	7,218	153	.69	2.12	46.08	47.18

a Includes 70 Asiatic males.

TABLE 6.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Population in 1884, the Per Cent of Births in 1887 to Population, the Number of Males to 100 Females, and by Sex and Color, the Births returned for 1887.* (*Still-births included.*)

State and Counties.	Births,—Males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1884 represented by births in 1887.	Per cent of births of each sex to population of same sex.	Color,—Children born in 1887.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unknown.
State	109	Totals	.....	1,846,181	2.50	46,226	45,650	264	68	116	128
		Males	52.05	970,044	2.48	24,026	23,733	142	37	57	57
		Females	47.95	875,931	2.53	22,130	21,850	122	31	59	68
		Unknown	.....	206	.....	70	67	.....	.....	.....	3
Alcona	117	Totals	.....	4,028	2.26	91	91	.....	.....	.....	.....
		Males	53.85	2,428	2.02	49	49	.....	.....	.....	.....
		Females	46.15	1,600	2.63	42	42	.....	.....	.....	.....
Alger a	44	Totals	.....	.....	.....	13	12	.....	.....	1	.....
		Males	30.77	.....	.....	4	4	.....	.....	.....	.....
		Females	69.23	.....	.....	9	8	.....	.....	1	.....
Allegan	101	Totals	.....	38,666	1.99	771	767	.....	3	1	.....
		Males	50.26	20,052	1.93	387	385	.....	2	.....	.....
		Females	49.74	18,614	2.06	383	381	.....	1	1	.....
		Unkhown	.....	.....	.....	1	1	.....	.....	.....	.....
Alpena	91	Totals	.....	12,683	2.93	371	371	.....	.....	.....	.....
		Males	48.79	6,990	2.60	181	181	.....	.....	.....	.....
		Females	51.21	5,693	3.34	190	190	.....	.....	.....	.....
Antrim	82	Totals	.....	8,761	2.03	178	178	.....	.....	.....	.....
		Males	44.94	4,736	1.69	80	80	.....	.....	.....	.....
		Females	55.06	4,025	2.43	98	98	.....	.....	.....	.....
Arenac	135	Totals	.....	4,027	3.15	127	123	.....	.....	4	.....
		Males	57.48	2,319	3.14	73	70	.....	.....	3	.....
		Females	42.52	1,708	3.16	54	53	.....	.....	1	.....
Baraga	78	Totals	.....	2,773	2.09	58	57	.....	.....	1	.....
		Males	43.86	1,652	1.51	25	25	.....	.....	.....	.....
		Females	56.14	1,121	2.85	32	31	.....	.....	1	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Barry	82	Totals	.....	24,102	1.76	423	423	.....	.....	.....	.....
		Males	44.92	12,507	1.52	190	190	.....	.....	.....	.....
		Females	55.08	11,595	2.01	233	233	.....	.....	.....	.....

a Organized since census was taken.

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births,—Males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1884 represented by births in 1887.	Per cent of births of each sex to population of same sex.	Color,—Children born in 1887.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unknown.
Bay	113	Totals	.....	51,221	2.66	1,365	1,362	3	.....	.....	.....
		Males	53.16	28,215	2.57	724	721	3	.....	.....	.....
		Females	46.84	23,006	2.77	638	638	.....	.....	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Benzie	70	Totals	.....	4,389	1.71	75	75	.....	.....	.....	.....
		Males	41.33	2,349	1.32	31	31	.....	.....	.....	.....
		Females	58.67	2,040	2.16	44	44	.....	.....	.....	.....
Berrien	97	Totals	.....	37,776	1.69	638	629	8	1	.....	.....
		Males	49.14	19,225	1.63	313	307	5	1	.....	.....
		Females	50.86	18,551	1.75	324	321	3	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Branch	107	Totals	.....	27,661	1.49	413	411	2	.....	.....	.....
		Males	51.57	14,042	1.52	213	213	.....	.....	.....	.....
		Females	48.43	13,619	1.47	200	198	2	.....	.....	.....
Calhoun	102	Totals	.....	41,585	1.48	615	608	1	6	.....	.....
		Males	50.57	21,297	1.46	310	305	1	4	.....	.....
		Females	49.43	20,285	1.49	303	301	.....	2	.....	.....
		Unknown	.....	3	.....	2	2	.....	.....	.....	.....
Cass	101	Totals	.....	21,202	1.60	340	323	6	11	.....	.....
		Males	50.29	10,886	1.57	171	166	2	3	.....	.....
		Females	49.71	10,316	1.64	169	157	4	8	.....	.....
Charlevoix	103	Totals	.....	9,275	2.08	193	193	.....	.....	.....	.....
		Males	50.78	5,030	1.95	98	98	.....	.....	.....	.....
		Females	49.22	4,245	2.24	95	95	.....	.....	.....	.....
Cheboygan	113	Totals	.....	9,217	3.25	300	297	.....	.....	3	.....
		Males	53.00	5,110	3.11	159	159	.....	.....	.....	.....
		Females	47.00	4,107	3.43	141	138	.....	.....	3	.....
Chippewa	91	Totals	.....	7,407	2.27	168	150	.....	.....	18	.....
		Males	47.62	4,121	1.94	80	68	.....	.....	12	.....
		Females	52.38	3,286	2.68	88	82	.....	.....	6	.....
Clare	106	Totals	.....	5,549	2.31	128	128	.....	.....	.....	.....
		Males	51.56	3,251	2.03	66	66	.....	.....	.....	.....
		Females	48.44	2,298	2.65	62	62	.....	.....	.....	.....

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births,—Males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1884 represented by births in 1887.	Per cent of births of each sex to population of same sex.	Color,—Children born in 1887.					
						Total of all colors.	White.	Black.	Mulatto.	Indian.	Unknown.
Clinton	98	Totals	.....	27,135	1.81	491	490	.....	1	.....	.....
		Males	49.59	14,034	1.72	242	241	.....	1	.....	.....
		Females	50.41	13,101	1.88	246	246	.....	.....	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Crawford	77	Totals	.....	2,389	1.63	39	39	.....	.....	.....	.....
		Males	43.59	1,381	1.23	17	17	.....	.....	.....	.....
		Females	56.41	1,008	2.18	22	22	.....	.....	.....	.....
Delta	93	Totals	.....	9,992	3.39	339	338	.....	1	.....	.....
		Males	48.08	5,876	2.77	163	162	.....	1	.....	.....
		Females	51.92	4,116	4.27	176	176	.....	.....	.....	.....
Eaton	124	Totals	.....	31,802	1.62	516	513	3	.....	.....	.....
		Males	55.34	16,210	1.76	285	283	2	.....	.....	.....
		Females	44.66	15,592	1.47	230	229	1	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Emmet	111	Totals	.....	7,944	2.00	159	136	.....	.....	23	.....
		Males	52.56	4,095	2.00	82	71	.....	.....	11	.....
		Females	47.44	3,849	1.92	74	62	.....	.....	12	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Genesee	108	Totals	.....	38,776	1.42	550	544	3	3	.....	.....
		Males	51.82	19,782	1.44	285	281	2	2	.....	.....
		Females	48.18	18,994	1.40	265	263	1	1	.....	.....
Gladwin	70	Totals	.....	1,354	2.88	39	39	.....	.....	.....	.....
		Males	41.03	786	2.04	16	16	.....	.....	.....	.....
		Females	58.97	568	4.05	23	23	.....	.....	.....	.....
Gogebic a	142	Totals	.....	.....	.....	106	106	.....	.....	.....	.....
		Males	58.65	.....	.....	61	61	.....	.....	.....	.....
		Females	41.35	.....	.....	43	43	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Gr. Traverse	95	Totals	.....	11,830	1.60	189	189	.....	.....	.....	.....
		Males	48.68	6,378	1.44	92	92	.....	.....	.....	.....
		Females	51.32	5,452	1.78	97	97	.....	.....	.....	.....
Gratiot	98	Totals	.....	25,049	2.14	535	534	.....	1	.....	.....
		Males	49.53	13,204	2.01	265	265	.....	.....	.....	.....
		Females	50.47	11,845	2.28	270	269	.....	1	.....	.....

a Organized since census was taken.

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births,—Males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1884 represented by births in 1887.	Per cent of births of each sex to population of same sex.	Color,—Children born in 1887.					
						Total of all colors.	White.	Black.	Mulatto.	Indian.	Unknown.
Hillsdale	123	Totals	.....	31,686	1.24	394	394	.....	.....	.....	.....
		Males	55.08	15,911	1.36	217	217	.....	.....	.....	.....
		Females	44.92	15,775	1.11	177	177	.....	.....	.....	.....
Houghton	104	Totals	.....	26,146	3.88	1,015	1,014	.....	1	.....	.....
		Males	51.03	14,168	3.66	518	518	.....	.....	.....	.....
		Females	48.97	11,978	4.14	497	496	.....	1	.....	.....
Huron	107	Totals	.....	24,521	3.26	800	800	.....	.....	.....	.....
		Males	51.69	12,934	3.19	412	412	.....	.....	.....	.....
		Females	48.31	11,585	3.32	385	385	.....	.....	.....	.....
		Unknown	.....	2	.....	3	3	.....	.....	.....	.....
Ingham	101	Totals	.....	34,939	1.64	572	563	6	3	.....	.....
		Males	50.35	17,917	1.61	288	283	3	2	.....	.....
		Females	49.65	17,022	1.67	284	280	3	1	.....	.....
Ionia	119	Totals	.....	32,559	1.57	510	509	1	.....	.....	.....
		Males	54.22	17,057	1.62	276	275	1	.....	.....	.....
		Females	45.78	15,502	1.50	233	233	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Iosco	143	Totals	.....	10,602	3.17	336	336	.....	.....	.....	.....
		Males	58.93	6,060	3.27	198	198	.....	.....	.....	.....
		Females	41.07	4,542	3.04	138	138	.....	.....	.....	.....
Iron a	89	Totals	.....	.....	.....	101	101	.....	.....	.....	.....
		Males	47.00	.....	.....	47	47	.....	.....	.....	.....
		Females	53.00	.....	.....	53	53	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Isabella	106	Totals	.....	16,011	2.62	420	402	1	3	14	.....
		Males	51.43	8,597	2.51	216	205	1	1	9	.....
		Females	48.57	7,414	2.75	204	197	.....	2	5	.....
Jackson	109	Totals	.....	45,232	1.33	602	600	1	.....	.....	1
		Males	52.08	23,385	1.34	313	312	1	.....	.....	.....
		Females	47.92	21,847	1.32	288	288	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Kalamazoo	125	Totals	.....	35,281	1.94	684	675	4	3	.....	2
		Males	55.65	17,875	2.12	379	376	2	1	.....	.....
		Females	44.35	17,406	1.74	302	297	2	2	.....	1
		Unknown	.....	.....	.....	3	2	.....	.....	.....	1

a Organized since census was taken.

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births,—Males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1884 represented by births in 1887.	Per cent of births of each sex to population of same sex.	Color,—Children born in 1887.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unknown.
		Totals	.....	4,493	1.87	84	84	.....	.....	.....	.....
Kalkaska	133	Males	57.14	2,470	1.99	48	48	.....	.....	.....	.....
		Females	42.86	2,023	1.78	36	36	.....	.....	.....	.....
		Totals	.....	84,600	2.45	2,070	2,053	14	3	.....	.....
Kent	109	Males	52.13	43,467	2.48	1,079	1,067	10	2	.....	.....
		Females	47.87	41,133	2.41	991	986	4	1	.....	.....
		Totals	.....	4,667	1.95	91	91	.....	.....	.....	.....
Keweenaw	117	Males	53.85	2,551	1.92	49	49	.....	.....	.....	.....
		Females	46.15	2,116	1.98	42	42	.....	.....	.....	.....
		Totals	.....	4,439	1.32	59	59	.....	.....	.....	.....
Lake	111	Males	52.54	2,726	1.13	31	31	.....	.....	.....	.....
		Females	47.46	1,713	1.63	28	28	.....	.....	.....	.....
		Totals	.....	30,057	1.97	593	593	.....	.....	.....	.....
Lapeer	104	Males	50.93	15,568	1.93	301	301	.....	.....	.....	.....
		Females	49.07	14,489	2.00	290	290	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
		Totals	.....	7,128	2.99	213	185	.....	.....	28	.....
Leelanaw	99	Males	49.77	3,842	2.76	106	94	.....	.....	12	.....
		Females	50.23	3,286	3.26	107	91	.....	.....	16	.....
		Totals	.....	49,584	1.43	707	701	3	3	.....	.....
Lenawee	97	Males	49.22	24,916	1.40	348	345	2	1	.....	.....
		Females	50.78	24,668	1.46	359	356	1	2	.....	.....
		Totals	.....	21,568	1.54	332	332	.....	.....	.....	.....
Livingston	104	Males	50.90	11,254	1.50	169	169	.....	.....	.....	.....
		Females	49.10	10,314	1.58	163	163	.....	.....	.....	.....
		Totals	.....	.....	.....	50	50	.....	.....	.....	.....
Luce a	69	Males	40.91	.....	.....	18	18	.....	.....	.....	.....
		Females	59.09	.....	.....	26	26	.....	.....	.....	.....
		Unknown	.....	.....	.....	6	6	.....	.....	.....	.....
		Totals	.....	4,254	2.37	101	87	.....	.....	14	.....
Mackinac	106	Males	51.49	2,401	2.16	52	47	.....	.....	5	.....
		Females	48.51	1,853	2.64	49	40	.....	.....	9	.....
		Totals	.....	31,293	2.24	702	695	7	.....	.....	.....
Macomb	107	Males	51.78	15,978	2.27	363	361	2	.....	.....	.....
		Females	48.22	15,315	2.21	338	333	5	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....

a Organized since census was taken.

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births.—Males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1894 represented by births in 1887.	Per cent of births of each sex to population of same sex.	Color,—Children born in 1887.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unknown.
Manistee	108	Totals	-------	19,723	3.61	712	712	------	------	------	------
		Males	51.83	10,798	3.43	369	369	------	------	------	------
		Females	48.17	8,925	3.84	343	343	------	------	------	------
Manitou	91	Totals	-------	1,198	1.75	21	21	------	------	------	------
		Males	47.62	547	1.83	10	10	------	------	------	------
		Females	52.38	456	2.41	11	11	------	------	------	------
		Unknown	-------	195	-------	-------	-------	------	------	------	------
Marquette	121	Totals	-------	31,397	3.11	978	978	------	------	------	------
		Males	54.70	17,580	3.04	535	535	------	------	------	------
		Females	45.30	13,817	3.21	443	443	------	------	------	------
Mason	112	Totals	-------	13,221	2.61	345	344	------	------	1	------
		Males	52.75	7,232	2.52	182	182	------	------	------	------
		Females	47.25	5,989	2.72	163	162	------	------	1	------
Mecosta	110	Totals	-------	20,597	1.78	367	365	2	------	------	------
		Males	52.32	11,283	1.70	192	191	1	------	------	------
		Females	47.68	9,314	1.88	175	174	1	------	------	------
Menominee	105	Totals	-------	19,120	3.99	763	762	------	------	1	------
		Males	51.32	11,488	3.37	388	387	------	------	1	------
		Females	48.68	7,632	4.82	368	368	------	------	------	------
		Unknown	-------	-------	-------	7	7	------	------	------	------
Midland	136	Totals	-------	8,776	2.63	231	231	------	------	------	------
		Males	57.58	4,728	2.81	133	133	------	------	------	------
		Females	42.42	4,048	2.42	98	98	------	------	------	------
Missaukee	117	Totals	-------	3,386	3.01	102	102	------	------	------	------
		Males	53.92	2,036	2.70	55	55	------	------	------	------
		Females	46.08	1,350	3.41	47	47	------	------	------	------
Monroe	109	Totals	-------	33,353	2.26	757	756	------	1	------	------
		Males	52.25	17,186	2.29	394	393	------	1	------	------
		Females	47.75	16,167	2.23	360	360	------	------	------	------
		Unknown	-------	-------	-------	3	3	------	------	------	------
Montcalm	92	Totals	-------	35,356	1.85	654	654	------	------	------	------
		Males	47.85	18,774	1.66	311	311	------	------	------	------
		Females	52.15	16,581	2.04	339	339	------	------	------	------
		Unknown	-------	1	-------	4	4	------	------	------	------
Montmorency	111	Totals	-------	845	4.50	38	38	------	------	------	------
		Males	52.63	494	4.05	20	20	------	------	------	------
		Females	47.37	351	5.13	18	18	------	------	------	------

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births.—Males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1884 represented by births in 1887.	Per cent. of births of each sex to population of same sex.	Color,—Children born in 1887. Total of all colors.	White.	Black.	Mulatto.	Indian.	Unknown.
Muskegon	111	Totals		37,554	2.65	994	993		1		
		Males	52.57	20,522	2.54	522	522				
		Females	47.43	17,029	2.77	471	470		1		
		Unknown		3		1	1				
Newaygo	111	Totals		18,996	1.36	259	259				
		Males	52.51	10,684	1.27	136	136				
		Females	47.49	8,312	1.47	123	123				
Oakland	113	Totals		41,100	1.47	603	598	3	2		
		Males	52.91	20,821	1.53	318	315	1	2		
		Females	47.09	20,279	1.40	283	281	2			
		Unknown				2	2				
Oceana	111	Totals		14,519	1.98	287	287				
		Males	52.61	7,859	1.92	151	151				
		Females	47.39	6,660	2.04	136	136				
Ogemaw	142	Totals		3,637	3.19	116	116				
		Males	58.62	2,041	3.33	68	68				
		Females	41.38	1,596	3.01	48	48				
Ontonagon	100	Totals		4,836	.99	48	48				
		Males	50.00	3,329	.72	24	24				
		Females	50.00	1,507	1.59	24	24				
Osceola	105	Totals		14,001	2.51	352	352				
		Males	51.14	7,533	2.39	180	180				
		Females	48.86	6,468	2.66	172	172				
Oscoda	113	Totals		1,374	2.47	34	34				
		Males	52.94	796	2.26	18	18				
		Females	47.06	576	2.78	16	16				
Otsego	124	Totals		3,906	2.41	94	93		1		
		Males	55.32	2,223	2.34	52	52				
		Females	44.68	1,683	2.48	42	41		1		
Ottawa	100	Totals		36,225	2.40	869	867			2	
		Males	50.00	18,970	2.29	434	433			1	
		Females	50.00	17,255	2.52	434	433			1	
		Unknown				1	1				
Presque Isle	84	Totals		4,064	3 49	142	142				
		Males	45.77	2,168	3.00	65	65				
		Females	54.23	1,896	4.06	77	77				

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births,—males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1894 represented by births in 1887.	Per cent of births of each sex to population of same sex.	Color,—Children born in 1887.					
						Total of all colors.	White.	Black.	Mulatto.	Indian.	Unknown.
Roscommon	100	Totals	.....	1,737	1.27	22	22	.....	.....	.....	.....
		Males	50.00	1,305	.84	11	11	.....	.....	.....	.....
		Females	50.00	432	2.55	11	11	.....	.....	.....	.....
Saginaw	109	Totals	.....	74,795	2.79	2,086	2,082	2	.....	2	.....
		Males	52.11	41,588	2.61	1,087	1,084	2	.....	1	.....
		Females	47.89	33,207	3.01	999	998	.....	.....	1	.....
Sanilac	98	Totals	.....	29,583	2.82	835	835	.....	.....	.....	.....
		Males	49.46	15,578	2.65	413	413	.....	.....	.....	.....
		Females	50.54	14,005	3.01	422	422	.....	.....	.....	.....
Schoolcraft	97	Totals	.....	3,846	1.53	59	59	.....	.....	.....	.....
		Males	49.15	2,568	1.13	29	29	.....	.....	.....	.....
		Females	50.85	1,278	2.35	30	30	.....	.....	.....	.....
Shiawassee	92	Totals	.....	28,078	1.46	411	411	.....	.....	.....	.....
		Males	47.93	14,731	1.32	197	197	.....	.....	.....	.....
		Females	52.07	13,347	1.60	214	214	.....	.....	.....	.....
St. Clair	113	Totals	.....	46,783	2.21	1,037	1,035	1	1	.....	.....
		Males	52.94	24,058	2.28	549	549	.....	.....	.....	.....
		Females	47.06	22,723	2.15	488	486	1	1	.....	.....
		Unknown	.....	2	.....	.....	.....	.....	.....	.....	.....
St. Joseph	113	Totals	.....	26,277	1.52	399	397	.....	1	1	.....
		Males	53.03	13,295	1.58	210	209	.....	.....	1	.....
		Females	46.97	12,982	1.43	186	185	.....	1	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Tuscola	100	Totals	.....	30,726	2.11	648	646	1	.....	1	.....
		Males	49.92	16,126	2.00	322	321	.....	.....	1	.....
		Females	50.08	14,600	2.21	323	322	1	.....	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Van Buren	100	Totals	.....	30,341	1.80	546	536	6	4	.....	.....
		Males	50.00	15,377	1.78	273	268	3	2	.....	.....
		Females	50.00	14,964	1.83	273	268	3	2	.....	.....
Washtenaw	125	Totals	.....	41,694	1 59	662	653	8	1	.....	.....
		Males	55.52	21,067	1.74	367	364	2	1	.....	.....
		Females	44.48	20,627	1.43	294	288	6	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births,—males to 100 females.	Sex.	Per cent of births of each sex to total of both sexes.	Population in 1881 represented by births in 1887.	Per cent of births of each sex to population of same sex.	Color,—Children born in 1887.					
						Total of all colors.	White.	Black.	Mulatto.	Indian.	Unknown.
Wayne	115	Totals	.....	188,966	5.75	10,857	10,540	178	13	1	125
		Males	53.54	94,492	6.15	5,808	5,645	96	10	.....	57
		Females	46.46	94,474	5.33	5,039	4,886	82	3	1	67
		Unknown	.....	.....	.....	10	9	.....	.....	.....	1
Wexford	95	Totals	.....	10,518	2.21	232	232	.....	.....	.....	.....
		Males	48.71	5,732	1.97	113	113	.....	.....	.....	.....
		Females	51.29	4,786	2.49	119	119	.....	.....	.....	.....

PARENT-NATIVITY.

Table 7 presents some interesting facts concerning the nativity of parents of children born during the year 1887. It appears from this table that the percentage of children born by native-born parents was 43.01 of the whole number, while the percentage of births of foreign parentage was 36.94 of the whole number. This shows an increase of .15 of one per cent over the percentage of native-born parents in 1886, and a decrease of .36 of one per cent from the percentage of foreign-born parents for the same year.

The average per cent of children born of native-born parents for the seventeen years, 1870-1886, was 44.82, which is 1.81 per cent greater than that for 1887. The average per cent of children born of foreign-born parents for the same period of years was 34.70, which is 2.24 per cent less than that for the year 1887.

The proportion of children born of mixed parentage, that is one native-born and the other foreign-born, was 17.43 per cent of the whole number, which is 1.17 per cent greater than the average for seventeen years.

TABLE 7.—*Showing, by Sex, the Parent-nativity of Children born in Michigan during the Year 1887, according to the returns.*

Nativity of Parents of Children Born, 1887.	Total births, 1887.							
	Number.				Per cent of total.			
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.
All nativities	46,226	24,026	22,130	70	100.00	100.00	100.00	100.00
Both parents native-born	19,881	10,233	9,622	26	43.01	42.59	43.48	37.14
Both parents foreign-born	17,077	9,043	8,016	18	36.94	37.64	36.23	25.71
Foreign father and native mother	5,058	2,572	2,481	5	10.94	10.71	11.21	7.14
Foreign mother and native father	3,001	1,576	1,423	2	6.49	6.56	6.43	2.86
Unknown mother, father native	157	82	75	.....	.34	.34	.34	.....
Unknown mother, father foreign	85	40	44	1	.19	.17	.20	1.43
Unknown father, mother native	218	103	112	3	.47	.43	.51	4.29
Unknown father, mother foreign	96	42	54	.....	.21	.17	.24	.....
Both unknown	653	335	303	15	1.41	1.39	1.37	21.43
One or both native	28,315	14,566	13,713	36	61.25	60.63	62.01	51.43
One or both foreign	25,317	13,273	12,018	26	50.44	55.24	54.31	37.14

The results given in Table 7 may be compared with those for former years in Table 8, as well as for the average for ten years, 1877-1886. As compared with the ten year average, the proportion of children born of foreign-born parents presents the greatest variation from those of 1887.

In the population of this State in 1884, aged 15 to 45 years, 597,714, or 67.25 per cent, were native-born, and 291,016, or 32.75 per cent, were foreign-born. By comparing these figures with those in Table 8, it will be seen that the proportion of births among the native-born parents is much less than the proportion of native-born inhabitants, while the proportion of births among the foreign-born parents is greater than the proportion of foreign-born inhabitants.

TABLE 8.—*Parent-nativity of Children born in Michigan for each of the Years 1885-1887, and the Average for Ten Years, 1877-1886.*

Nativity of Parents of Children Born.		1885.		1886.		1887.		Average for 10 Years, 1877-1886.	
		Number.	Per cent of total.	Number.	Per cent of total.	Number.	Per cent of total.	Number.	Per cent of total.
All nativities		42,119	100.00	41,095	100.00	46,226	100.00	37,421	100.00
Both native-born		17,800	42.26	17,614	42.86	19,881	43.01	16,643	44.47
Both foreign-born		15,572	36.97	15,327	37.30	17,077	36.94	13,195	35.26
Foreign father and native mother		4,896	11.63	4,463	10.86	5,058	10.94	4,239	11.33
Foreign mother and native father		2,734	6.49	2,537	6.17	3,001	6.49	2,271	6.07
One or both unknown		1,117	2.65	1,154	2.81	1,209	2.62	1,073	2.87
One or both parents native [a]		25,430	60.38	24,614	59.90	27,940	60.44	23,186	61.96
One or both parents foreign [a]		23,202	55 09	22,327	54.33	25,136	54.38	19,719	52.70
Father	Native	20,633	48.99	20,309	49.42	23,039	49.84	19,070	50.96
	Foreign	20,520	48.72	19,876	48.37	22,220	48.07	17,525	46.83
	Unknown	966	2.29	910	2.21	967	2.09	826	2.21
Mother	Native	22,837	54.22	22,267	54.19	25,157	54.42	21,076	56.32
	Foreign	18,386	43.65	17,939	43.65	20,174	43.64	15,552	41.56
	Unknown	896	2.13	889	2.16	895	1.94	793	2.12

[a] Excluding cases where nativity of either parent is unknown.

TABLE 9.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Parent-nativity of Children Returned for the Year 1887.* (*Still-births included*)

State and Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887.								
			Both native-born.	Both foreign-born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father.		Father Unknown. Mother.		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
State	Totals	46,226	19,881	17,077	5,058	3,001	157	85	218	96	653
	Males	24,026	10,233	9,043	2,572	1,576	82	40	103	42	335
	Females	22,130	9,622	8,016	2,481	1,423	75	44	112	54	303
	Unknown	70	26	18	5	2	.....	1	3	.....	15
Alcona	Totals	91	19	51	10	11	.....	.....	.....	.....	.....
	Males	49	8	28	6	7	.....	.....	.....	.....	.....
	Females	42	11	23	4	4	.....	.....	.....	.....	.....
Alger	Totals	13	5	4	2	1	.....	.....	.....	.....	1
	Males	4	3	1	.....	.....	.....	.....	.....	.....	.....
	Females	9	2	3	2	1	.....	.....	.....	.....	1
Allegan	Totals	771	498	138	78	41	3	1	1	1	10
	Males	387	251	72	37	16	2	1	1	1	6
	Females	383	246	66	41	25	1	.....	.....	.....	4
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Alpena	Totals	371	29	262	51	29	.....	.....	.....	.....	.....
	Males	181	9	135	21	16	.....	.....	.....	.....	.....
	Females	190	20	127	30	13	.....	.....	.....	.....	.....
Antrim	Totals	178	95	45	17	20	.....	.....	1	.....	.....
	Males	80	46	20	8	5	.....	.....	1	.....	.....
	Females	98	49	25	9	15	.....	.....	.....	.....	.....
Arenac	Totals	127	36	62	12	16	.....	.....	.....	.....	1
	Males	73	19	38	8	8	.....	.....	.....	.....	.....
	Females	54	17	24	4	8	.....	.....	.....	.....	1
Baraga	Totals	58	14	41	2	1	.....	.....	.....	.....	.....
	Males	25	4	20	1	.....	.....	.....	.....	.....	.....
	Females	32	10	20	1	1	.....	.....	.....	.....	.....
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Barry	Totals	423	357	26	24	14	.....	.....	1	.....	1
	Males	190	160	14	10	6	.....	.....	.....	.....	.....
	Females	233	197	12	14	8	.....	.....	1	.....	1

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887.								
			Both native-born.	Both foreign-born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father. Native.	Mother Unknown. Father. Foreign.	Father Unknown. Mother. Native.	Father Unknown. Mother. Foreign.	Both unknown.
Bay	Totals	1,365	295	765	174	112	1	.....	2	3	13
	Males	724	165	408	85	59	1	.....	.....	1	5
	Females	638	130	357	89	53		.....	2	2	5
	Unknown	3	.....	.....	.....	.....		.....	.....	.....	3
Benzie	Totals	75	45	15	8	7		.....	.....	.....	.....
	Males	31	17	6	4	4		.....	.....	.....	.....
	Females	44	28	9	4	3		.....	.....	.....	.....
Berrien	Totals	638	456	94	46	24	1	1	9	.....	7
	Males	313	222	49	20	12	1	1	4	.....	4
	Females	324	234	45	26	12		.....	4	.....	3
	Unknown	1	.....	.....	.....	.....	.....	.....	1	.....	.....
Branch	Totals	413	343	23	24	14	6	1	1	.....	1
	Males	213	177	10	14	8	3	.....	1	.....	.....
	Females	200	166	13	10	6	3	1	.....	.....	1
Calhoun	Totals	615	445	65	57	20	7	3	3	.....	15
	Males	310	216	34	30	15	3	2	1	.....	9
	Females	303	227	31	27	5	4	1	2	.....	6
	Unknown	2	2	.....	.....	.....	.....	.....	.....	.....	.....
Cass	Totals	340	302	6	21	10	.....	.....	1	.....	.....
	Males	171	156	2	8	5	.....	.....	.....	.....	.....
	Females	169	146	4	13	5		.....	1	.....	.....
Charlevoix	Totals	193	95	44	21	21		.....	5	2	4
	Males	98	45	21	11	14	1	.....	1	1	4
	Females	95	50	23	10	7		.....	4	1	.....
Cheboygan	Totals	300	86	132	47	29		3	.....	2	1
	Males	159	43	71	28	13		3		.....	1
	Females	141	43	61	19	16		.....		2	.....
Chippewa	Totals	168	26	95	24	19	.....	.....	2	1	1
	Males	80	14	42	10	12	.....	.....		1	1
	Females	88	12	53	14	7	.....	.....	2	.....	.....
Clare	Totals	128	59	32	20	12	.....	.....	.....	1	4
	Males	66	28	23	7	6	.....	.....	.....	1	1
	Females	62	31	9	13	6	.....	.....	.....	.....	3

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father.		Father Unknown. Mother.		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
Clinton	Totals	491	367	44	43	27	1	.....	4	.....	5
	Males	242	176	25	22	15	.....	.....	1	.....	3
	Females	246	188	19	21	12	1	.....	3	.....	2
	Unknown	3	3	.....	.....	.....	.....	.....	.....	.....	.....
Crawford	Totals	39	27	2	1	3	2	2	.....	.....	2
	Males	17	12	1	.....	1	.....	1	.....	.....	2
	Females	22	15	1	1	2	2	1	.....	.....	.....
Delta	Totals	339	55	142	52	19	3	4	.....	1	63
	Males	163	28	64	28	10	3	1	.....	.....	29
	Females	176	27	78	24	9	.....	3	.....	1	34
Eaton	Totals	516	448	11	29	21	2	.....	5	.....	.....
	Males	285	246	7	14	15	1	.....	2	.....	.....
	Females	230	201	4	15	6	1	.....	3	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Emmet	Totals	159	98	36	7	9	1	.....	.....	.....	8
	Males	82	50	20	4	3	1	.....	.....	.....	4
	Females	74	48	16	3	6	.....	.....	.....	.....	1
	Unknown	3	.....	.....	.....	.....	.....	.....	.....	.....	3
Genesee	Totals	550	355	60	76	45	10	2	1	.....	1
	Males	285	182	33	32	30	7	1	.....	.....	.....
	Females	265	173	27	44	15	3	1	1	.....	1
Gladwin	Totals	39	14	18	6	.....	.....	.....	.....	.....	1
	Males	16	5	10	1	.....	.....	.....	.....	.....	.....
	Females	23	9	8	5	.....	.....	.....	.....	.....	1
Gogebic	Totals	106	17	54	7	2	.....	.....	.....	.....	26
	Males	61	10	29	3	2	.....	.....	.....	.....	17
	Females	43	7	25	4	.....	.....	.....	.....	.....	7
	Unknown	2	.....	.....	.....	.....	.....	.....	.....	.....	2
G'd Traverse	Totals	189	95	48	25	20	.....	.....	1	.....	.....
	Males	92	48	28	8	7	.....	.....	1	.....	.....
	Females	97	47	20	17	13	.....	.....	.....	.....	.....
Gratiot	Totals	535	415	31	46	33	.....	.....	6	1	3
	Males	265	203	16	25	14	.....	.....	4	.....	3
	Females	270	212	15	21	19	.....	.....	2	1	.....

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887								
			Both native-born.	Both foreign-born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father. Native.	Mother Unknown. Father. Foreign.	Father Unknown. Mother. Native.	Father Unknown. Mother. Foreign.	Both unknown.
Hillsdale	Totals	394	345	9	20	10	3	.....	2	.....	5
	Males	217	193	4	10	4	2	.....	1	.....	3
	Females	177	152	5	10	6	1	.....	1	.....	2
Houghton	Totals	1,015	87	750	126	40	1	1	1	1	8
	Males	518	43	386	66	18	.....	.....	1	1	3
	Females	497	44	364	60	22	1	1	.....	.....	5
Huron	Totals	800	122	478	124	65	.....	.....	2	3	6
	Males	412	55	248	70	34	.....	.....	1	2	2
	Females	385	67	227	54	31	.....	.....	1	1	4
	Unknown	3	.....	3	.....	.....	.....	.....	.....	.....	.....
Ingham	Totals	572	363	101	48	32	6	1	11	2	8
	Males	288	183	47	25	20	3	.....	2	2	6
	Females	284	180	54	23	12	3	1	9	.....	2
Ionia	Totals	510	379	61	40	25	1	.....	4	.....	.....
	Males	276	204	35	18	18	.....	.....	1	.....	.....
	Females	233	175	25	22	7	1	.....	3	.....	.....
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Iosco	Totals	336	50	220	33	29	1	.....	.....	2	1
	Males	198	29	140	13	14	.....	.....	.....	1	1
	Females	138	21	80	20	15	1	.....	.....	1	.....
Iron	Totals	101	20	62	8	2	.....	3	1	1	4
	Males	47	9	27	5	1	.....	1	1	.....	3
	Females	53	11	34	3	1	.....	2	.....	1	1
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Isabella	Totals	420	235	100	57	24	.....	.....	2	.....	2
	Males	216	120	54	27	12	.....	.....	1	.....	2
	Females	204	115	46	30	12	.....	.....	1	.....	.....
Jackson	Totals	602	369	114	58	49	2	.....	4	1	5
	Males	313	193	59	27	25	2	.....	3	1	3
	Females	288	175	55	31	24	.....	.....	1	.....	2
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Kalamazoo	Totals	684	492	92	40	28	7	3	5	.....	17
	Males	379	264	54	19	21	5	.....	3	.....	13
	Females	302	227	38	21	7	2	3	1	.....	3
	Unknown	3	1	.....	.....	.....	.....	.....	1	.....	1

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887.								
			Both native-born.	Both foreign-born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father. Native.	Mother Unknown. Father. Foreign.	Father Unknown. Mother. Native.	Father Unknown. Mother. Foreign.	Both unknown.
Kalkaska	Totals	84	58	8	12	4	.....	.....	.....	.....	2
	Males	48	34	6	5	2	.....	.....	.....	.....	1
	Females	36	24	2	7	2	.....	.....	.....	.....	1
Kent	Totals	2,070	841	830	215	148	2	3	13	2	16
	Males	1,079	442	428	113	75	1	2	6	1	11
	Females	991	399	402	102	73	1	1	7	1	5
Keweenaw	Totals	91	10	56	17	6	.....	.....	2	.....	----
	Males	49	5	32	8	3	.....	.....	1	.....	----
	Females	42	5	24	9	3	.....	.....	1	.....	----
Lake	Totals	59	38	9	6	4	.....	.....	1	.....	1
	Males	31	21	2	4	2	.....	.....	1	.....	1
	Females	28	17	7	2	2	.....	.....	.....	.....	----
Lapeer	Totals	593	278	134	112	58	.....	1	4	2	4
	Males	301	141	74	53	28	.....	1	1	2	1
	Females	290	135	60	59	30	.....	.....	3	.....	3
	Unknown	2	2	.....	.....	.....	.....	.....	.....	.....	----
Leelanaw	Totals	213	82	67	37	21	.....	1	1	.....	4
	Males	106	38	35	19	10	.....	1	1	.....	2
	Females	107	44	32	18	11	.....	.....	.....	.....	2
Lenawee	Totals	707	486	99	52	33	11	5	9	.....	6
	Males	348	245	51	21	19	4	3	3	.....	2
	Females	359	241	48	31	20	7	2	6	.....	4
Livingston	Totals	332	253	25	35	15	.....	.....	2	.....	2
	Males	169	132	13	16	7	.....	.....	1	.....	----
	Females	163	121	12	19	8	.....	.....	1	.....	2
Luce	Totals	50	7	30	3	3	.....	.....	2	.....	5
	Males	18	3	10	1	.....	.....	.....	2	.....	2
	Females	26	3	17	2	3	.....	.....	.....	.....	1
	Unknown	6	1	3	.....	.....	.....	.....	.....	.....	2
Mackinac	Totals	101	45	43	4	6	1	.....	1	.....	1
	Males	52	24	22	3	2	.....	.....	.....	.....	1
	Females	49	21	21	1	4	1	.....	1	.....	----
Macomb	Totals	702	387	153	102	56	1	.....	3	.....	----
	Males	363	194	82	52	34	1	.....	.....	.....	----
	Females	338	192	71	50	22	.....	.....	3	.....	----
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	----

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887.								
			Both native-born.	Both foreign-born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father.		Father Unknown. Mother.		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
Manistee	Totals	712	144	472	48	34	4	4	.....	.....	6
	Males	369	71	242	32	19	1	.....	.....	.....	4
	Females	343	73	230	16	15	3	4	.....	.....	2
Manitou	Totals	21	6	7	6	2	.....	.....	.....	.....	.....
	Males	10	3	4	2	1	.....	.....	.....	.....	.....
	Females	11	3	3	4	1	.....	.....	.....	.....	.....
Marquette	Totals	978	108	847	2	14	.....	.....	.....	.....	7
	Males	535	58	467	.....	7	.....	.....	.....	.....	3
	Females	443	50	380	2	7	.....	.....	.....	.....	4
Mason	Totals	345	138	138	41	22	1	2	2	.....	1
	Males	182	81	70	20	6	1	2	.....	.....	1
	Females	163	57	68	21	16	.....	.....	1	.....	.....
Mecosta	Totals	367	190	91	48	34	2	.....	.....	.....	2
	Males	192	99	47	25	19	1	.....	.....	.....	1
	Females	175	91	44	23	15	1	.....	.....	.....	1
Menominee	Totals	763	98	540	81	29	3	.....	2	.....	10
	Males	388	56	269	40	17	1	.....	1	.....	4
	Females	368	41	268	39	12	2	.....	1	.....	5
	Unknown	7	1	3	2	.....	.....	.....	.....	.....	1
Midland	Totals	231	105	62	43	17	1	.....	2	1	.....
	Males	133	64	38	25	6	.....	.....	.....	.....	.....
	Females	98	41	24	18	11	1	.....	2	1	.....
Missaukee	Totals	102	36	35	19	9	.....	1	.....	.....	2
	Males	55	21	17	10	6	.....	1	.....	.....	.....
	Females	47	15	18	9	3	.....	.....	.....	.....	2
Monroe	Totals	757	567	91	74	20	.....	.....	3	.....	2
	Males	394	296	50	38	9	.....	.....	.....	.....	1
	Females	360	269	41	36	11	.....	.....	2	.....	1
	Unknown	3	2	.....	.....	.....	.....	.....	1	.....	.....
Montcalm	Totals	654	402	128	70	41	1	.....	5	3	4
	Males	311	194	62	33	17	.....	.....	2	1	2
	Females	339	206	66	37	23	1	.....	3	2	1
	Unknown	4	2	.....	.....	1	.....	.....	.....	.....	1

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887.								
			Both native-born.	Both foreign-born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father.		Father Unknown. Mother.		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
Montmorency	Totals	38	12	21	4	1	.....	.....	.....	.....	.....
	Males	20	5	13	2	.....	.....	.....	.....	.....	.....
	Females	18	7	8	2	1	.....	.....	.....	.....	.....
Muskegon	Totals	994	251	566	101	62	2	.....	.....	2	10
	Males	522	130	292	57	36	.....	.....	.....	2	5
	Females	471	121	274	43	26	2	.....	.....	.....	5
	Unknown	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Newaygo	Totals	259	152	53	36	20	7	3	5	.....	3
	Males	136	66	26	19	14	4	2	2	.....	3
	Females	123	66	27	17	6	3	1	3	.....	.....
Oakland	Totals	603	407	74	59	54	1	1	4	1	2
	Males	318	211	37	34	31	1	.....	3	.....	1
	Females	283	194	37	25	23	.....	1	1	1	1
	Unknown	2	2	.....	.....	.....	.....	.....	.....	.....	.....
Oceana	Totals	287	176	48	30	24	3	.....	3	.....	3
	Males	151	90	27	15	15	2	.....	1	.....	1
	Females	136	86	21	15	9	1	.....	2	.....	2
Ogemaw	Totals	116	47	41	12	12	.....	.....	.....	1	3
	Males	68	24	29	7	5	.....	.....	.....	1	2
	Females	48	23	12	5	7	.....	.....	.....	.....	1
Ontonagon	Totals	48	14	17	15	1	.....	.....	1	.....	.....
	Males	24	4	11	8	.....	.....	.....	1	.....	.....
	Females	24	10	6	7	1	.....	.....	.....	.....	.....
Osceola	Totals	352	157	119	46	26	2	1	.....	.....	1
	Males	180	76	72	20	10	2	.....	.....	.....	.....
	Females	172	81	47	26	16	.....	1	.....	.....	1
Oscoda	Totals	34	19	7	2	6	.....	.....	.....	.....	.....
	Males	18	10	7	.....	1	.....	.....	.....	.....	.....
	Females	16	9	.....	2	5	.....	.....	.....	.....	.....
Otsego	Totals	94	37	42	11	3	.....	.....	.....	1	.....
	Males	52	17	25	8	2	.....	.....	.....	.....	.....
	Females	42	20	17	3	1	.....	.....	.....	1	.....

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887.								
			Both native-born.	Both foreign-born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father.		Father Unknown. Mother.		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
Ottawa	Totals	869	363	323	106	63	3	2	3	4	2
	Males	434	180	169	44	34	2	1	1	3	....
	Females	434	183	153	62	29	1	1	2	1	2
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	....
Presque Isle	Totals	142	10	120	8	2	.....	1	.....	.....	1
	Males	65	5	58	1	1	.....	.....	.....	.....	....
	Females	77	5	62	7	1	.....	1	.....	.....	1
Roscommon	Totals	22	7	14	.....	1	.....	.....	.....	.....	....
	Males	11	4	7	.....	.....	.....	.....	.....	.....	....
	Females	11	3	7	.....	1	.....	.....	.....	.....	....
Saginaw	Totals	2,086	704	830	309	171	1	2	24	7	38
	Males	1,087	356	436	162	96	.....	1	13	2	21
	Females	999	348	394	147	75	1	1	11	5	17
Sanilac	Totals	835	122	471	145	84	4	2	5	1	1
	Males	413	60	230	77	41	1	1	3	.....	....
	Females	422	62	241	68	43	3	1	2	1	1
Schoolcraft	Totals	59	27	23	4	5	.....	.....	.....	.....	....
	Males	29	14	10	1	4	.....	.....	.....	.....	....
	Females	30	13	13	3	1	.....	.....	.....	.....	....
Shiawassee	Totals	411	249	51	44	31	26	3	.....	4	3
	Males	197	124	26	19	14	14	.....	.....	.....	....
	Females	214	125	25	25	17	12	3	.....	4	3
St. Clair	Totals	1,037	361	373	165	126	.....	1	7	1	3
	Males	549	199	197	85	58	.....	1	5	1	3
	Females	488	162	176	80	68	.....	.....	2	.....	....
St. Joseph	Totals	399	296	56	25	15	1	.....	.....	.....	6
	Males	210	156	31	13	6	.....	.....	.....	.....	4
	Females	186	140	23	11	9	1	.....	.....	.....	2
	Unknown	3	.....	2	1	.....	.....	.....	.....	.....	....
Tuscola	Totals	648	291	176	101	70	.....	1	1	1	7
	Males	322	150	82	53	34	.....	1	.....	1	1
	Females	323	140	93	48	36	.....	.....	1	.....	5
	Unknown	3	1	1	.....	.....	.....	.....	.....	.....	1

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children born, 1887.	Nativity of Parents of Children Born,—1887.								
			Both native-born.	Both foreign-born.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown.		Father Unknown.		Both unknown.
							Father.		Mother.		
							Native.	Foreign.	Native.	Foreign.	
Van Buren...	Totals.....	546	447	31	37	19	4	.....	1	1	6
	Males.....	273	226	17	20	7	2	.....	.....	.....	1
	Females...	273	221	14	17	12	2	.....	1	1	5
Washtenaw ..	Totals	662	353	158	77	41	6	8	5	1	13
	Males.....	367	195	93	38	23	4	5	3	1	5
	Females...	294	157	65	39	18	2	3	2	.....	8
	Unknown	1	1	.....	.....	.....			.....	.....	....
Wayne.....	Totals.....	10,857	3,447	5,184	1,191	684	10	18	31	41	251
	Males.....	5,808	1,814	2,811	634	377	5	7	20	15	125
	Females..	5,039	1,629	2,371	556	306	5	10	11	26	125
	Unknown.	10	4	2	1	1	.....		.....	.....	1
Wexford.....	Totals.....	232	115	81	19	14	1		1	.....	1
	Males.	113	59	35	10	8	.....		.....	.....	1
	Females...	119	56	46	9	6	1		1	.....	....

TWIN CHILDREN, 1887.

The returns of births for 1887 show that 528 pairs of twins were born in this State during the year, which was twenty-seven pairs more than were reported in 1886, 47 more than in 1885, and was the largest number ever recorded in Michigan. In 186 cases both children were males, in 139 cases both were females, and in 203 cases there was one child of each sex, making 575 males and 481 females. The proportion of males among twin births for the year 1887 was 120 males to 100 females, while for the year 1886 there were but 95 males to 100 females. The average proportion of males for the ten years 1877–1886 was 99 males to 100 females, which is a smaller proportion of males than is found among all children born. In table 10 the months are arranged in order, those months first in which occurred the largest number of twin births. As in 1886, the month of July heads the list with the largest number of twin births.

TABLE 10.—*Exhibiting, by Sex, the Number of Pairs of Twins and Twin Children Returned for the Year 1887.*

Year and Months, 1887.	No. of Twin Children, 1887.				No. of Pairs of Twins, 1887.					
	Totals.	Males.	Females.	Males to 100 females.	Totals.	Males.	Females.	One of each sex.	Males to 100, one of each sex.	Males to 100 females.
Year, 1887	1,056	a 575	b 461	120	528	186	139	203	92	134
More than the Average No. of Twins. July	106	51	55	92	53	17	19	17	100	89
April	104	59	45	131	52	18	11	23	78	164
May	100	52	48	108	50	16	14	20	80	114
August	98	58	40	145	49	22	13	14	157	169
June	96	57	39	146	48	18	9	21	86	200
March	92	39	53	73	46	9	16	21	43	56
September	90	55	35	157	45	18	8	19	95	225
Average	88	48	40	120	44	15	12	17	88	125
Less than the Average No. of Twins. November	88	50	38	132	44	17	11	16	106	155
December	80	42	38	111	40	13	11	16	81	118
October	78	39	39	100	39	11	11	17	65	100
February	70	37	33	112	35	13	11	11	118	118
January	54	36	18	200	27	14	5	8	175	280

a Includes 47 still-born, 10 black, 1 color unknown, and 6 illegitimate.
b Includes 31 still-born, 10 black, 2 mulatto, 4 Indian and 2 illegitimate.

The nativity of the parents of twins for the year 1887 may be seen in Table 11. The percentage of those born of native parentage was greater in 1887 than for any year since 1883, but less than the average for ten years, 1877–1886, by 1.59 per cent. The percentage of those born of foreign parentage was about the same as that for 1886, but less than that of 1885 and 1884, although greater by 2.57 per cent than the average for ten years. The percentage of those born by mixed parentage was less than that of any year of the previous ten except 1880, and less than that of the average for ten years by 1.67 per cent.

By comparing this table with Table 7, it will be seen that the proportion of foreign-born parents was greater for twins than for all children born. As this fact is repeated each year, it seems to be quite conclusive that a greater proportion of twins is born of foreign parents than of native.

TABLE 11.—*Parent-nativity of Twins Returned in Michigan for 1887.*

Nativity of Parents of Twins, 1887.	Pairs of Twins, 1887.							
	Number.				Per Cent of each Parent-Nativity to Total of all Nativities.			
	Totals.	Males.	Females.	One of each.	Totals.	Males.	Females.	One of each.
All nativities	528	186	139	203	100 00	100.00	100.00	100.00
Both native-born	221	87	63	72	41.86	46.77	44.60	35.47
Both foreign-born	210	63	47	100	39.77	33.87	33.81	49.26
Foreign father and native mother	48	20	17	11	9.09	10.75	12.23	5.42
Foreign mother and native father	33	9	8	16	6.25	4.84	5.76	7.88
Unknown mother, father native	.....	.....	.....	.....	.....	.....	.....	.....
Unknown mother, father foreign	.....	.....	.....	.....	.....	.....	.....	.....
Unknown father, mother native	2	1	1	.....	.38	.54	.72	.....
Unknown father, mother foreign	2	1	1	.....	.38	.54	.72	.....
Both unknown	12	5	3	4	2.27	2.69	2.16	1.97
One or both native	304	117	88	99	57.58	62.90	63.30	48.76
One or both foreign	293	93	73	127	55.45	50.00	52.52	62.56

Table 12 shows the proportion of twin births, by nativity and color of mothers, for each of the years 1885-87, and the average for ten years 1877-1886 The average for the ten years indicates that the largest proportion of twins, as stated before, was among the foreign-born mothers, and also among the black and mulatto mothers.

TABLE 12.—*By Nativity and Color of Mothers the Number and Proportion of Twin Births Returned for the Years 1885, 1886, 1887, and the Average for Ten Years, 1877-1886.*

Nativity and Color of Mothers of Twins, 1885-1887.	1885.			1886.			1887.			Average for 10 Years, 1877-1886.		
	Number of pairs of twins.	Whole No. of mothers including those of twins.	Per cent of births of twins to all mothers.	Number of pairs of twins.	Whole No. of mothers including those of twins.	Per cent of births of twins to all mothers.	Number of pairs of twins.	Whole No. of mothers including those of twins.	Per cent of births of twins to all mothers.	Number of pairs of twins.	Whole No. of mothers including those of twins.	Per cent of births of twins to all mothers.
Mothers of all colors and all nativities...	481	41,624	1.16	501	40,582	1.23	528	45,688	1.16	425	36,985	1.15
All native-born mothers	237	22,596	1.05	272	21,989	1.24	271	24,880	1.09	232	20,833	1.11
All foreign-born mothers	230	18,146	1.27	221	17,712	1.24	245	19,925	1.23	185	15,362	1.20
Mothers of unknown nativities	14	882	1.59	8	881	.91	12	833	1.36	8	785	1.02
White	472	41,245	1.14	494	40,262	1.23	513	45,127	1.10	419	36,583	1.15
Black	5	151	3.31	1	86	1.16	10	254	3.94	2	119	1.68
Mulatto	2	104	1.92	5	108	4.63	1	67	1.49	2	94	2.13
Indian	2	122	1.64	1	112	.89	3	113	2.65	1	126	.79
Unknown	.....	2	.....	.....	14	.....	1	127	.79	1	63	1.59
Black and mulatto...	7	255	2.75	6	194	3.09	11	321	3.43	4	213	1.88

It will be seen from Table 13 that there were five cases of triplets returned for the year 1887. In two cases the parents were both native, in one case both were foreign and in two cases one parent was native and the other foreign. As regards the sex, there were 6 males and 9 females. The parents were all white.

TABLE 13.—*Exhibiting certain details concerning Triplet Children returned for the year 1887.*

Counties.	Triplet Children, 1887.					Parents of Triplets, 1887.		
	Month of birth, 1887.	Color.	Sex.			Birthplace of father.	Birthplace of mother.	Occupation of father.
			Males.	Females.	Unknown.			
Kent	Aug.	White	.....	3	.....	Michigan	New York	Farmer.
Kent	Sept.	White	1	2	.....	Michigan	Connecticut	Teamster.
Saginaw	Dec.	White	2	1	.....	Michigan	Germany	Farmer.
Saginaw	April	White	1	2	.....	Canada	Illinois	Farmer.
St. Clair	May	White	2	1	.....	Ireland	Ireland	Farmer.

Table 14 shows the number of pairs of twins and cases of triplets that have been returned in Michigan for the fourteen years 1874–1887. According to the data here presented the ratio of twins to the whole number of births is about the same for 1887 as the average for the whole period.

TABLE 14.—*Exhibiting the number of Pairs of Twins and Cases of Triplets returned in Michigan for the 14 years, 1874–1887, and the average for these years.*

Years.	Pairs of Twins.	Cases of Triplets.	No. of Births to one Pair of Twins.	No. of Births to one Case of Triplets.
1874	408	2	76	15,526
1875	370	1	86	31,958
1876	428	8	80	4,279
1877	367	.....	91	33,395
1878	427	3	82	11,721
1879	402	2	85	17,061
1880	358	5	99	7,065
1881	372	5	93	6,960
1882	430	9	86	4,114
1883	466	9	88	4,534
1884	450	4	90	10,102
1885	481	7	88	6,017
1886	501	6	82	6,849
1887	528	5	88	9,245
Average	428	5	87	12,051

In Table 15 is presented the statistics of plural births during the fourteen years, 1874 1887, classified with reference to the nativity of the parents. For 1887 the percentage of native-born and mixed parentage was less than the average, while the percentage of foreign-born and unknown parentage was greater than the average.

TABLE 15.—*Exhibiting the Parent-Nativity of Plural Births returned in Michigan for the Fourteen Years, 1874–1887.*

Years.	Totals.	Native-born.		Foreign-born.		Mixed.		Unknown.	
		Numbers.	Per cent.	Numbers.	Per cent.	Numbers.	Per cent.	Numbers.	Per cent.
1874	822	329	40.03	321	39.05	140	17.03	32	3.89
1875	743	271	36.47	318	42.80	124	16.69	30	4.04
1876	880	391	44.43	322	36.59	143	16.25	24	2.73
1877	734	334	45.51	252	34.33	122	16.62	26	3.54
1878	863	402	46.58	291	33.72	142	16.45	28	3.25
1879	810	374	46.17	236	29.14	188	23.21	12	1.48
1880	731	341	46.65	276	37.75	104	14.23	10	1.37
1881	759	355	46.77	270	35.57	124	16 34	10	1.32
1882	887	350	39.46	358	40 36	153	17.25	26	2.93
1883	959	417	43.48	364	37.96	150	15.64	28	2.92
1884	912	360	39.47	396	43.42	144	15.79	12	1.32
1885	983	384	39.06	414	42.12	155	15.77	30	3.05
1886	1,020	419	41.08	407	39.90	176	17.26	18	1.76
1887	1,071	448	41.83	423	39.49	168	15.69	32	2.99
Average	870	370	42 53	332	38.16	145	16.67	23	2.64

STILL-BIRTHS, 1887.

The returns for 1887 show that 897 still-births were reported for the year, of which 503 were males, 359 were females and 35 in which the sex was not stated. This is the smallest number that has been recorded for any year since 1883, but it is larger than the average annual number for ten years by 77. In Table 16 may be seen the number of children born, the number of still-births, and the per cent of still-born children to all children born for each of the years 1884–1887 and the average for ten years 1877–1886. In 1887 the proportion of still-born children to all children born is very small.

By an examination of Table 17 may be learned the fact that a larger proportion of the mothers of still-born children is foreign-born than native, and also that a much larger proportion is among the black and mulatto mothers than those of any other color. While the foreign-born mothers seem to be more productive, it is also shown to be a fact that a larger proportion of their children are born dead.

TABLE 16.—*The relation of Still-births to all Births, and the relation of Mothers of Still-born Children to all Mothers returned for the years 1884–1887, and the average for ten years, 1877–1886.*

Children and Mothers.	Total Births and Still-births.				
	1884.	1885.	1886.	1887.	Av. for 10 Years, 1877-1886.
All children born	40,408	42,119	41,095	46,226	37,421
Still-born children	919	1,008	909	897	820
Per cent of still-born to total	2.27	2.39	2.21	1.94	2.19
All mothers	39,950	41,624	40,582	45,688	36,985
Mothers of still-born children	904	978	880	869	798
Per cent of mothers of still-born children to all mothers	2.26	2.35	2.17	1.90	2.16

TABLE 17.—*By Nativity and Color, the Number and Proportion of Mothers having Still-births, for the years 1885–1887, and the Average for Ten Years 1877–1886.*

Nativity and Color of Mothers.	1885.			1886.			1887.			Average for 10 years, 1877-1886.		
	Mothers having still-births.	Whole No. of mothers, including those of still-births.	Per cent of mothers of still-births to all mothers.	Mothers having still-births.	Whole No. of mothers, including those of still-births.	Per cent of mothers of still-births to all mothers.	Mothers having still-births.	Whole No. of mothers, including those of still-births.	Per cent of mothers of still-births to all mothers.	Mothers having still-births.	Whole No. of mothers, including those of still-births.	Per cent of mothers of still-births to all mothers.
Mothers of all colors and all nativities	978	41,624	2.35	880	40,582	2.17	869	45,688	1.90	798	36,985	2.16
All native-born mothers	414	22,596	1.83	395	21,989	1.80	408	24,880	1.64	372	20,838	1.79
All foreign-born mothers	389	18,146	2.14	340	17,712	1.92	367	19,325	1.84	316	15,362	2.06
Mothers of unknown nativities	175	882	19.84	145	881	16.46	94	883	10.65	110	785	14.01
White	958	41,245	2.32	861	40,262	2.14	849	45,127	1.88	777	36,583	2.12
Black	13	151	8.61	4	86	4.65	12	254	4.72	6	119	5.04
Mulatto	6	104	5.77	5	108	4.63	.....	67	.....	3	94	3.19
Indian	1	122	.82	.....	112	.....	4	113	3.54	1	126	.79
Unknown	.....	2	.....	10	14	71.43	4	127	3.15	11	63	17.46
Black and mulatto	19	255	7.45	9	194	4.64	12	321	3.74	9	213	4.23

TABLE 18.—*Parent-nativity of Still-Born Children returned for the year 1887.*

Nativity of Parents of Still-born Children, -1887.	Still-born Children,—1887.							
	Number.				Per Cent of each Parent-nativity to Total of all Nativities.			
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.
All nativities	897	503	359	35	100.00	100.00	100.00	100.00
Both native-born	335	192	122	21	37.35	38.17	33.98	60.00
Both foreign-born	316	181	129	6	35.23	35.98	35.93	17.14
Foreign father and native mother	77	40	36	1	8.58	7.95	10.03	2.86
Foreign mother and native father	60	35	22	3	6.69	6.96	6.13	8.57
Unknown mother, father native	1	.....	1	.....	.11	.....	.28	.....
Unknown mother, father foreign	.....	.....	.....	.....	.....	.....	.....	.....
Unknown father, mother native	10	7	2	1	1.12	1.39	.56	2.86
Unknown father, mother foreign	3	2	1	.....	.33	.40	.28	.....
Both unknown	95	46	46	3	10.59	9.15	12.81	8.57
One or both native	483	274	183	26	53.85	54.47	50.97	74.29
One or both foreign	456	258	188	10	50.84	51.29	52.37	28.57

TABLE 19.—*Exhibiting by Sex, the Parent-nativity, and by Sex and Months, the Number of Still-births returned in Michigan for the Year 1887.*

Sex of Still-births, 1887.	Year, 1887.	Months, 1887.													Nativity of Parents of Still-births, 1887.								
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Native.	Foreign.	Foreign father and native mother.	Foreign mother and native father.	Mother Unknown. Father. Native.	Mother Unknown. Father. Foreign.	Father Unknown. Mother. Native.	Father Unknown. Mother. Foreign.	Both unknown.
Totals	a 897	53	69	81	103	63	53	76	61	72	84	85	95	2	335	316	77	60	1	.....	10	3	95
Males	b	29	48	32	60	37	31	38	35	43	49	47	54	....	192	181	40	35	.....	.....	7	2	46
Females	3	23	20	44	39	22	22	35	22	28	32	34	37	1	122	129	36	22	1	.....	2	1	46
Unknown	d 35	1	1	5	4	4	.....	3	4	1	3	4	4	1	21	6	1	3	.....	.....	1	.....	3

a Includes 15 pairs and 9 half-pairs male twins; 8 pairs and 5 half-pairs female twins; 5 pairs and 3 half-pairs male and 5 half pairs female twins of one of each sex.
b Includes 498 White, 8 Black, 2 Indian and 3 illegitimate.
c Includes 350 White, 6 Black, 2 Indian, 1 color unknown, and 8 illegitimate.
d Includes 32 White, and 3 color unknown.

The proportion of male to female children among those born alive, still-births and illegitimates may be seen in Table 20. The ratio among still-births shows, as usual, a much larger number of males, that for 1887 being 140 males to every 100 females, while among illegitimates there is an excess of females, being 88 males to 100 females. In the average for ten years 1877–1886, there is an excess of males in each division.

TABLE 20.—*Exhibiting the Proportion of Males to Females among Children born alive, Still-births, and Illegitimates.*

		1886.	1887.	Average for 10 Years, 1877-1886.
Born alive	Males	20,832	23,523	18,919
	Females	19,334	21,771	17,655
	Unknown	20	35	27
Males to 100 females		108	108	107
Still-born	Males	500	503	465
	Females	366	359	318
	Unknown	43	35	38
Males to 100 females		137	140	146
Illegitimate	Males	151	196	152
	Females	146	224	144
	Unknown	3	2	2
Males to 100 females		103	88	106

ILLEGITIMATE CHILDREN, 1887.

The illegitimate births returned in 1887 were 422, which is the largest number reported for any year since 1880, and is larger than the average annual number for the ten years, 1877-1886 by 125. These births represent a ratio of 9.13 to each one thousand of the whole number of births in the State. Of the whole number reported, Wayne county contributed 221, more than one-half, and the ratio of illegitimates to the total births in the county was 20.36 to one thousand.

Table 22 shows the nativity and color of mothers of illegitimate children for the years 1885, 1886, 1887, and the average for ten years, 1877-1886. The proportion of native-born mothers was lower in 1887 than the average for the past ten years and also lower than in 1886. As regards color, the largest proportion of mothers of illegitimates to all mothers appears for the black, mulatto, and Indian, and the smallest for the white.

In Massachusetts the birth-rate of illegitimate children for the year 1887 was 21.8 per 1,000 of the whole number of living births. This was 6.3 per 1,000 greater than the average in that State for the period of twenty years, 1868-1887.

The following shows the illegitimate birth-rate in some of the European countries:

Austria	134 per 1,000
Sweden	102 "
Scotland	92 "

German Empire	86 per 1,000
Norway	85 "
France	74 "
England and Wales	53 "
Russia	29 "
Ireland	26 "

TABLE 21.—*The Relation of Illegitimate Children to all Children born for the Years 1884–1887, and the Average for ten years 1877–1886.*

Children and Mothers.	Total Births and Illegitimates.				
	1884.	1885.	1886.	1887.	Average for 10 years, 1877–1886.
All children born	40,408	42,119	41,095	46,226	37,421
Illegitimate children	193	248	300	422	297
Per cent of illegitimates to total	.48	.59	.73	.91	.79
All mothers	39,950	41,624	40,582	45,688	36,955
Mothers of illegitimate children	192	247	297	418	295
Per cent of mothers of illegitimates to all mothers	.48	.59	.73	.91	.80

TABLE 22.—*By Nativity and Color, the Number and Proportion of Mothers of Illegitimates returned for the years 1885–1887, and the Average for ten years, 1877–1886.*

Nativity and Color of Mothers.	1885.			1886.			1887.			Average for 10 Years, 1877–1886.		
	Mothers having illegitimates.	Whole No. of mothers, including those of illegitimates.	Per cent of mothers of illegitimates to all mothers.	Mothers having illegitimates.	Whole No. of mothers, including those of illegitimates.	Per cent of mothers of illegitimates to all mothers.	Mothers having illegitimates.	Whole No. of mothers, including those of illegitimates.	Per cent of mothers of illegitimates to all mothers.	Mothers having illegitimates.	Whole No. of mothers, including those of illegitimates.	Per cent of mothers of illegitimates to all mothers.
Mothers of all colors and all nativities	247	41,624	.59	297	40,582	.73	418	45,688	.91	295	36,985	.80
All native-born mothers	115	22,596	.51	140	21,989	.64	150	24,880	.60	138	20,838	.66
All foreign-born mothers	85	18,146	.47	45	17,712	.25	70	19,925	.35	73	15,362	.47
Mothers of unknown nativities	47	882	5.33	112	881	12.71	198	883	22.42	84	785	10.70
White	235	41,245	.57	279	40,262	.69	319	45,127	.71	277	36,583	.71
Black	9	151	5.96	3	86	3.49	10	254	3 93	6	119	5.04
Mulatto	.....	104	.....	6	108	5.56	7	67	10.45	3	94	3.19
Indian	3	122	2.46	7	112	6.25	8	113	7.08	8	126	6.35
Unknown	.....	2	.....	2	14	14.29	74	127	58.27	1	63	1.59
Black and mulatto	9	255	3.53	9	194	4.64	17	321	5.30	9	213	4.23

TABLE 23.—*Exhibiting, by Sex, the Number by Months, and the Nativity of Parents of Illegitimates returned for the Year 1887.*

Sex of Illegitimates, 1887.	Year, 1887.	Months, 1887.												Nativity of Mothers of Illegitimates, 1887.							Nativity of Fathers of Illegitimates, 1887.						
														Native.			Foreign.				Native.			Foreign.			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	Born in Michigan.	Born in other states.	Totals.	Born in Canada.	Born in other countries.	Unknown.	Totals.	Born in Michigan.	Born in other states.	Totals.	Born in Canada.	Born in other countries.	Unknown.
Totals	a 422	32	30	42	57	35	34	27	23	33	28	30	49	2	151	120	31	72	18	54	199	56	44	12	29	9	20	337
Males	b 196	15	11	16	30	17	21	11	13	11	15	14	22	....	72	56	16	30	11	19	94	28	21	7	12	5	7	156
Females	c 224	17	19	26	27	18	12	16	10	22	13	15	27	2	77	63	14	42	7	35	105	28	23	5	17	4	13	179
Unknown	d 2	....	....	....	....	....	1	....	....	....	....	1	....	....	2	1	1	....	....	....	.....	....	....	....	....	....	....	2

a Includes 3 males and 8 females still-born; 3 pairs male twins and 1 pair female twins.
b Includes 150 white, 5 black, 4 mulatto, 3 Indian, and 34 color unknown.
c Includes 170 white, 5 black, 3 mulatto, 5 Indian, and 41 color unknown.
d Two white.

TABLE 24.—*Exhibiting the Number and Ratio of Illegitimate Births returned in Fourteen Years, 1874–1887.*

Years.	Children Born out of Wedlock.		Years.	Children Born out of Wedlock.	
	Number.	To Every 1,000 Births.		Number.	To every 1,000 births.
1874	236	7.57	1881	382	10.99
1875	193	6.04	1882	301	8.13
1876	266	7.77	1883	311	7.62
1877	316	9.46	1884	193	4.78
1878	202	5.74	1885	248	5.89
1879	292	8.56	1886	300	7.30
1880	425	12.03	1887	422	9.13
Average 14 years				292	7.93

TABLE 25.—*Showing the Nativity of Mothers of Illegitimates Returned for the Fourteen years, 1874–1887.*

Years.	Totals.	Native.		Foreign.		Unknown.	
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1874	236	110	46.61	93	39.41	33	13.98
1875	193	96	49.74	32	16.58	65	33.68
1876	266	173	65.04	53	19.92	40	15.04
1877	316	161	50.95	80	25.32	75	23.73
1878	202	114	56.44	34	16.83	54	26.73
1879	292	137	46.92	90	30.82	65	22.26
1880	425	148	34.82	73	17.18	204	48.00
1881	382	187	48.95	98	25.65	97	25.40
1882	301	145	48.17	77	25.58	79	26.25
1883	311	137	44.05	86	27.65	88	28.30
1884	193	103	53.37	69	35.75	21	10.88
1885	248	115	46.37	86	34.68	47	18.95
1886	300	142	47.33	45	15 00	113	37.67
1887	422	151	35.78	72	17.06	199	47.16
Average	292	137	46.92	71	24.31	84	28.77

TABLE 26.—*Exhibiting, by Color and Sex, the Population of 1884, the Number of Illegitimates returned for the Year 1887, and the Per Cent of such Children to Inhabitants.*

Color or Race.	Sex.	Population June 1, 1884, represented by births in 1887.	Total illegitimate births, 1887.	Per cent of births to population.	Per cent of each sex to total of both sexes.	Number of inhabitants to one illegitimate child of the same color.
All colors	Totals	1,846,181	422	.02	.....	4,375
	Males	970,044	196	.02	46.67	4,949
	Females	875,931	224	.03	53.33	3,910
	Unknown	206	2	.....	.....	.....
White	Totals	1,823,221	322	.02	.....	5,663
	Males	958,112	150	.02	46.88	6,387
	Females	865,099	170	.02	53.12	5,089
	Unknown	10	2	.....	.....	.....
Black	Totals	6,851	10	.15	.....	685
	Males	3,689	5	.14	50.00	738
	Females	3,162	5	.16	50.00	632
Mulatto	Totals	8,258	7	.08	.....	1,180
	Males	4,202	4	.09	57.14	1,050
	Females	4,056	3	.07	42.86	1,352
Indian	Totals	6,740	8	.11	.....	842
	Males	3,494	3	.08	37.50	1,165
	Females	3,246	5	.15	62.50	649
Unknown	Totals	1,041	75	7.20	.....	14
	Males	477	34	7.13	45.33	14
	Females	368	41	11.14	54.67	9
	Unknown	196	.....	.....	.....	.....
Black and Mulatto	Totals	15,109	17	.11	.....	889
	Males	7,891	9	.11	52.94	877
	Females	7,218	8	.11	47.06	902

TABLE 27.—*Exhibiting, by Counties, the number of Pairs of Twins, and the number of Illegitimate and Still-born Children returned for the Year 1887.*

State and Counties.	Number of pairs of twins born in 1887.	Number of illegitimate children born in 1887.	Number of still-births in 1887.	Counties.	Number of pairs of twins born in 1887.	Number of illegitimate children born in 1887.	Number of still-births in 1887.
State	528	423	897	Ingham	7	4	10
				Ionia	5	4	8
Alcona	1	.....	2	Iosco	2	.....	7
Alger	.....	.....	.....	Iron	3	2	3
Allegan	16	4	12	Isabella	7	2	12
Alpena	3	.....	6	Jackson	5	2	11
Antrim	2	.....	3	Kalamazoo	12	5	16
Arenac	3	.....	1	Kalkaska	1	1	.....
Baraga	.....	.....	1	Kent	27	10	46
Barry	2	1	5	Keweenaw	3	2	3
Bay	13	2	21	Lake	.....	.....	1
Benzie	.....	.....	1	Lapeer	5	6	13
Berrien	7	9	10	Leelanaw	2	1	7
Branch	4	1	10	Lenawee	7	4	15
Calhoun	10	.....	19	Livingston	6	1	10
Cass	3	3	.....	Luce	1	1	6
Charlevoix	2	2	2	Mackinac	.....	1	.....
Cheboygan	4	.....	3	Macomb	14	7	19
Chippewa	1	3	2	Manistee	6	.....	24
Clare	1	2	5	Manitou	.....	.....	1
Clinton	5	4	14	Marquette	11	.....	15
Crawford	.....	.....	1	Mason	4	3	3
Delta	9	.....	12	Mecosta	7	.....	5
Eaton	6	2	13	Menominee	10	2	32
Emmet	1	5	2	Midland	2	3	4
Genesee	4	4	10	Missaukee	.....	.....	4
Gladwin	2	.....	3	Monroe	9	5	9
Gogebic	2	.....	3	Montcalm	6	6	14
Grand Traverse	1	2	1	Montmorency	1	.....	.....
Gratiot	4	5	5	Muskegon	4	.....	20
Hillsdale	4	.....	3	Newaygo	4	1	3
Houghton	15	12	18	Oakland	9	3	13
Huron	10	3	9	Oceana	4	1	2

TABLE 27.—CONTINUED.—*Births, 1887.*

Counties.	Number of pairs of twins born in 1887.	Number of illegitimate children born in 1887.	Number of still-births in 1887.	Counties.	Number of pairs of twins born in 1887.	Number of illegitimate children born in 1887.	Number of still-births in 1887.
Ogemaw	2	1	7	Schoolcraft	1	----	----
Ontonagon	----	1	5	Shiawassee	6	----	3
Osceola	7	----	3	St. Clair	21	8	30
Oscoda	----	----	1	St. Joseph	3	1	9
Otsego	1	1	----	Tuscola	6	2	14
Ottawa	10	4	24	Van Buren	1	4	12
Presque Isle	1	----	2	Washtenaw	13	12	8
Roscommon	1	----	----	Wayne	114	221	186
Saginaw	16	18	39	Wexford	1	1	8
Sanilac	5	7	13				

TABLE 28.—*Townships in which it was reported there were no births in 1887.*

Counties.	Townships.—No Births in 1887.	Population, 1884.		
		Totals.	Males.	Females.
Totals		3,748	2,714	1,034
Alpena	Sanborn a			
Charlevoix	Chandler	164	88	78
Gladwin	Clement	54	30	24
Gogebic	Marenesco a			
	Watersmeet a			
Iosco	Thompson	42	26	16
Kalkaska	Glade	42	25	17
Keweenaw	Clifton	182	96	86
Lake	Yates	354	208	146
Marquette	Richmond	370	205	165
Missaukee	Forest	141	74	67
Oceana	Colfax	128	65	63
Ogemaw	Hill	20	20	10
	Mills	42	23	20
Ontonagon	Carp Lake	1,117	1,069	48
Oscoda	Harman	124	66	58
Otsego	Hayes	201	110	91
Roscommon	Gerrish	251	193	58
	Nester	201	253	28
	Richfield a			
Wexford	South Branch	95	55	40

a Organized since census was taken.

Table 29 shows the names of the townships in Michigan from which no returns of births for 1887 were received. There were twenty-one such townships, and in most of these the county clerk informs this office that the supervisor neglected to make returns to him. There seems to be no good reason why we should not receive returns from every township.

TABLE 29.—*Exhibiting the Counties and Townships from which no returns of Births were received in 1887.*

Counties.	Townships from which no Returns of Births were received for 1887.*	Population, June 1, 1884.			White.			Black and Mulatto.			Indian.			Unknown.			Native.			Foreign.			Unknown.		
		Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
Totals		7,477	4,380	3,097	7,259	4,264	2,995	14	12	2	160	80	80	44	24	20	4,503	2,457	2,046	2,869	1,865	1,004	105	58	47
Baraga	Spurr	266	167	99	266	167	99	....	....	....	.....	....	....	....	....	....	112	65	47	154	102	52	.....	....	....
Cheboygan	Beaugrand	729	393	336	728	393	335	1	....	1	.....	....	....	....	....	....	339	175	164	389	218	171	1	....	1
Chippewa	Detour	615	384	231	565	353	212	8	8	....	1	....	1	41	23	18	199	123	76	414	260	154	2	1	1
	Drummond	400	241	159	311	195	116	2	2	....	84	43	41	3	1	2	188	106	82	211	135	76	1	....	1
Gladwin	Billings	83	50	33	83	50	33	....	....	....	.....	....	....	....	....	....	59	33	26	24	17	7	.....	....	....
	Buckeye	102	63	39	102	63	39	....	....	....	.....	....	....	....	....	....	77	44	33	25	19	6	.....	....	....
Grand Traverse	Green Lake	262	144	118	262	144	118	....	....	....	.....	....	....	....	....	....	235	125	110	25	18	7	2	1	1
Lake	Chase	2,229	1,273	956	2,216	1,266	950	1	1	....	12	6	6	....	....	....	1,481	812	669	748	461	287	.....	....	....
	Eden	71	46	25	71	46	25	....	....	....	.....	....	....	....	....	....	57	33	24	14	13	1	.....	....	....
	Pleas. Plains	800	483	317	798	482	316	2	1	1	.....	....	....	....	....	....	553	298	255	228	169	59	19	16	3
Mackinac	Garfield	442	265	177	411	247	164	....	....	....	31	18	13	....	....	....	274	151	123	168	114	54	.....	....	....
	Moran	475	282	193	443	269	174	....	....	....	32	13	19	....	....	....	334	178	156	141	104	37	.....	....	....
Manistee	Maple Grove	152	81	71	152	81	71	....	....	....	.....	....	....	....	....	....	66	38	28	10	6	4	76	37	39
Roscommon	Higgins	851	508	343	851	508	343	....	....	....	.....	....	....	....	....	....	529	276	253	318	229	89	4	3	1

* The townships of Gustin, Alcona county, and Bessemer, Ironwood and Wakefield, Ontonagon county, and Alger and Iron counties were organized since census was taken.

MARRIAGES, 1887.

The total number of marriages returned in Michigan for the year 1887 was 17,050, which was 403 more than were recorded in 1886, and is the largest number ever recorded in Michigan. The number of persons married for each thousand of the population was 18.40, and the number of marriages was 9.20 per thousand. There was, according to the returns, one person married to every 54 of the living population, as given by the last census.

As compared with some of the New England States, having a system of registration, Michigan had a higher marriage rate than Vermont, Rhode Island and Connecticut, and lower than Massachusetts and New Hampshire, as may be seen by the following :

Vermont	17.16
Massachusetts	19.43
Rhode Island	16 30
Connecticut	14.88
New Hampshire	19.14

The marriage rate in some of the foreign countries is reported as follows:

Hungary	20.60
Russia	18.80
Prussia	17.20
England and Wales	16.40
France	15.80
Scotland	14.20
Ireland	9.80

The average number of marriages for each of certain specified periods of time, during the year 1887, was as follows:

Total number of marriages	17,050
Average number per quarter	4,263
Average number per month	1,421
Average number per week	328
Average number per day	47

In Michigan the last quarter always returns the largest number of marriages, and the year 1887 is no exception to the general rule, there being 4,954 in the fourth quarter, 4,549 in the third quarter, 3,979 in the second quarter, and 3,563 in the first quarter. The average of the ten years 1877-1886 shows the same order of the quarters. In Table 30 the number of marriages for each year is corrected for additional returns up to June 27, 1888.

TABLE 30.—*Marriages by Quarters of the year for each of the years 1884–1887, and the Average for ten years, 1877–1886, Corrected for Additional Returns up to June 27, 1888.*

Totals and Months with which Quarters end.	1884.		1885.		1886.		1887.		Average for 10 years, 1877–1886.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
Totals	15,989	100.00	15,881	100.00	16,647	100.00	17,050	100.00	15,247	100.00
March	3,736	23.37	3,378	21.27	3,573	21.46	3,563	20.90	3,382	22.18
June	3,671	22.96	3,691	23.24	3,722	22.36	3,979	23.34	3,386	22.21
September	3,847	24.06	3,770	23.74	4,115	24.72	4,549	26.68	3,656	23.98
December	4,730	29.58	5,041	31.74	5,230	31.42	4,954	29.05	4,816	31.59
Unknown	5	.03	1	.01	7	.04	5	.03	7	.04
Average a	3,997	25.00	3,970	25.00	4,162	25.00	4,263	25.00	3,812	25.00

a Including marriages in unknown quarter of the year.

Table 31 shows the number and proportion of marriages as originally returned and published in the reports for each of the years 1884-1886. As far as the year 1887 is concerned there is no difference in Table 31 from Table 30, but the latter table shows the additional number of marriages which have been added to the years previous to 1887.

TABLE 31.—*Marriages by Quarters of the Year, for each of the Years 1884–1857, and the Average for Ten Years 1877–1886, as originally returned and published in reports.*

Totals and Months with which Quarters end.	1884.		1885.		1886.		1887.		Average for 10 Years, 1877–1886.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
Totals	15,002	100.00	15,016	100.00	16,631	100.00	17,050	100.00	14.470	100.00
March	3,626	24.17	3,260	21.71	3,572	21.48	3,563	20.90	3,294	22.77
June	3,547	23.64	3,555	23.67	3,718	22.36	3,979	23.34	3,278	22.65
September	3,652	24.34	3,596	23.95	4,111	24.72	4,549	26.68	3,498	24.17
December	4,173	27.82	4,604	30.66	5,223	31.40	4,954	29.05	4,394	30.37
Unknown	4	.03	1	.01	7	.04	5	.03	6	.04
Average a	3,751	25.00	3,754	25.00	4,158	25.00	4,263	25.00	3,618	25.00

a The number in unknown quarter of year included.

For the first time in the history of registration in Michigan, the month of September returned the largest number of marriages. As the act requiring a civil license in order to marry went into effect on the 27th of September, 1887, it may have had something to do with the large number solemnized in that month. Those contemplating marriage may have hurried matters up in order to avoid the necessity of obtaining a license. In the other years of Table 32 and also the average for ten years, 1877-1886, the greatest number of marriages was recorded in November and the least number in February.

TABLE 32.—*Marriages by months, greatest first, for the years 1885–1887, and the Average for Ten Years 1877–1886, corrected for Additional Returns up to June 27, 1888.*

Order.	1885.			1886.			1887.			Average for 10 Years, 1877–1886.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Totals..	15,881	100.00	Totals..	16,647	100.00	Totals..	17,050	100.00	Totals..	15,247	100.00
1	Nov....	1,705	10.73	Nov....	1,774	10.66	Sept....	1,789	10.49	Nov....	1,620	10.62
2	Dec....	1,683	10.60	Dec....	1,733	10.41	Nov....	1,757	10.30	Oct.....	1,608	10.55
3	Oct.....	1,653	10.41	Oct....	1,723	10.35	Dec....	1,654	9.70	Dec....	1,588	10.41
4	Sept....	1,400	8.81	Sept....	1,596	9.59	Oct....	1,543	9.05	Sept....	1,384	9.08
5	Apr....	1,323	8.33	Mar....	1,351	8.11	Aug....	1,423	8.35	July ..	1,208	7.93
6	July....	1,298	8.17	July....	1,346	8.08	May....	1,341	7.87	Jan....	1,189	7.80
7	Jan....	1,208	7.61	May....	1,305	7.84	July....	1,337	7.84	Apr....	1,184	7.77
8	May....	1,206	7.59	June....	1,247	7.49	Apr....	1,321	7.75	Mar....	1,147	7.52
9	June....	1,162	7.32	Jan....	1,193	7.17	June....	1,317	7.72	May....	1,142	7.49
10	Mar....	1,105	6.96	Aug....	1,173	7.05	Mar....	1,287	7.55	Aug....	1,064	6.98
11	Aug....	1,072	6.75	Apr....	1,170	7.03	Jan....	1,191	6.99	June....	1,060	6.95
12	Feb....	1,065	6.71	Feb....	1,029	6.18	Feb....	1,085	6.36	Feb....	1,046	6.86
	Unk....	1	.01	Unk....	7	.04	Unk....	5	.03	Unk....	7	.05
	Av.a....	1,323	8.33	Av.a....	1,387	8.33	Av.a....	1,421	8.33	Av.a....	1,271	8.33

a Includes those for unknown month.

Table 33 gives the number of marriages, by months, for the year 1887 as returned from each county in the State.

TABLE 33.—*Distinguishing by Counties and by Months, the Number of Marriages returned for the year 1887.*

State and Counties.	Year, 1887.	Months, 1887.												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State	17,050	1,191	1,085	1,287	1,321	1,341	1,317	1,337	1,423	1,789	1,543	1,757	1,654	5
Alcona	26	1	1	2	.....	1	2	5	2	3	.....	5	4	....
Alger	3	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	1	....
Allegan	339	17	20	28	31	34	23	25	19	40	44	28	30	....
Alpena	164	7	10	4	12	13	16	14	11	17	21	21	18	....
Antrim	68	7	7	5	4	9	3	6	3	8	1	7	8	....
Arenac	32	1	.....	1	5	3	1	4	1	6	3	5	2	....
Baraga	15	.....	3	.....	.....	.....	.....	.....	2	.....	3	5	2	....
Barry	169	7	14	20	8	16	18	11	12	18	13	18	14	....
Bay	334	35	19	15	27	19	25	31	26	37	25	44	31	....
Benzie	31	3	2	5	5	3	1	3	.....	3	2	2	2	....
Berrien	543	32	46	47	50	43	45	59	50	45	28	54	44	....
Branch	273	31	16	25	25	18	19	23	24	29	20	16	27	....
Calhoun	349	19	21	37	19	17	32	21	31	41	32	40	39	....
Cass	215	15	13	18	23	18	13	13	19	17	19	19	28	....
Charlevoix	74	4	3	3	3	4	10	7	5	10	9	7	9	....
Cheboygan	79	3	3	1	7	9	3	5	5	3	17	11	12	....
Chippewa	96	7	5	4	2	7	10	8	8	7	12	11	15	....
Clare	58	9	4	6	3	3	6	4	1	9	5	3	5	....
Clinton	210	16	11	21	17	19	11	12	16	25	19	18	25	....
Crawford	25	1	1	8	1	2	3	1	.....	1	1	3	3	....
Delta	127	10	7	2	9	10	17	14	15	14	12	11	6	....
Eaton	269	18	19	25	19	11	16	21	24	36	24	29	27	....
Emmet	53	4	2	2	6	4	5	5	7	4	8	1	5	....
Genesee	338	21	25	22	28	23	23	27	36	38	27	36	32	....
Gladwin	23	2	.....	2	.....	2	2	.....	2	6	1	1	5	....
Gogebic	99	.....	3	2	4	15	6	14	7	9	13	16	10	....
Grand Traverse	125	6	6	17	12	21	7	8	7	6	11	6	18	....
Gratiot	214	12	24	19	17	10	16	21	17	25	15	19	19	....
Hillsdale	349	27	25	25	17	16	17	15	34	44	40	40	47	
Houghton	257	19	15	8	14	27	23	24	31	28	31	25	12	....

TABLE 33.—CONTINUED.—*Marriages by Counties, by Months.*

Counties.	Year, 1887.	Months, 1887.												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Huron	156	12	13	5	11	8	9	9	12	16	17	28	16	....
Ingham	338	27	21	27	19	19	21	31	40	36	27	42	28	....
Ionia	282	24	22	21	19	22	20	25	21	24	19	31	34	....
Iosco	139	8	9	7	9	9	12	12	11	8	19	19	16	....
Iron	13	.....	.....	.....	.....	.....	.....	.....	.....	1	3	6	3	....
Isabella	154	11	13	13	10	16	13	18	6	20	12	10	12	....
Jackson	302	26	17	14	22	20	29	21	22	40	31	28	31	1
Kalamazoo	416	29	24	39	41	35	23	33	33	46	37	34	42	....
Kalkaska	44	2	2	9	5	6	3	3	2	3	2	2	5	....
Kent	919	69	68	68	58	80	79	64	69	93	103	77	91	....
Keweenaw	9	1	1	.....	.....	1	1	1	.....	.....	1	3	.....	....
Lake	40	1	3	1	1	4	4	3	5	2	4	6	6	....
Lapeer	211	16	16	14	19	19	9	12	18	25	14	25	24	....
Leelanaw	39	5	5	3	4	5	4	3	2	2	.....	5	1	....
Lenawee	463	52	24	45	39	39	30	31	31	62	31	33	46	....
Livingston	168	16	8	13	18	9	8	13	18	12	9	27	17	....
Luce	6	.....	.....	.....	.....	.....	.....	.....	.....	4	1	1	.....	....
Mackinac	51	5	.....	1	7	3	6	6	4	9	3	2	5	....
Macomb	213	14	17	13	24	23	16	8	11	16	22	32	17	....
Manistee	196	12	13	10	8	25	21	19	17	24	23	12	12	....
Manitou	5	1	1	.....	.....	1	.....	.....	.....	.....	.....	2	.....	....
Marquette	329	8	23	5	29	25	28	31	34	38	40	31	37	....
Mason	114	3	6	8	8	6	4	14	12	10	8	19	16	....
Mecosta	157	15	12	11	13	8	13	16	16	10	15	13	15	....
Menominee	244	14	15	12	28	25	22	11	20	26	25	22	24	....
Midland	69	6	1	6	3	5	8	4	6	8	5	6	11	....
Missaukee	22	4	1	2	2	2	.....	2	2	2	2	2	1	....
Monroe	318	27	20	24	34	24	23	23	22	36	25	35	25	....
Montcalm	249	10	17	29	21	13	13	23	22	30	25	18	28	....
Montmorency	6	.....	.....	.....	.....	.....	.....	.....	.....	1	2	1	2	....
Muskegon	364	15	14	30	25	24	37	32	51	36	35	28	37	....
Newaygo	140	8	4	14	17	9	5	11	19	18	7	12	16	....
Oakland	325	20	29	31	16	25	25	31	30	31	17	37	32	1
Oceana	122	12	9	15	11	7	7	11	15	8	5	18	4	....
Ogemaw	38	4	3	4	5	1	4	5	1	5	2	2	2	....
Ontonagon	24	1	.....	4	1	3	1	.....	3	4	1	4	2	....

TABLE 33.—CONTINUED.—*Marriages by Counties, by Months.*

Counties.	Year, 1887.	Months, 1887.												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Osceola	142	9	8	9	14	17	10	10	12	19	6	18	10	....
Oscoda	25	1	.....	2	4	3	1	1	3	2	.....	4	4	....
Otsego	23	1	.....	.....	2	1	1	1	2	1	3	9	2	....
Ottawa	298	18	11	37	29	21	22	19	23	24	20	41	32	1
Presque Isle	40	5	7	.....	3	4	4	6	3	.....	6	1	1	....
Roscommon	12	2	.....	1	1	1	1	1	.....	.....	1	1	3	....
Saginaw	636	28	31	34	36	58	41	53	59	89	68	80	59	....
Sanilac	201	16	14	15	24	12	13	15	15	17	23	17	20	....
Schoolcraft	46	.....	2	4	2	5	5	5	4	3	7	7	2	....
Shiawassee	231	15	19	19	19	13	14	15	13	35	19	21	29	....
St. Clair	466	30	29	33	40	39	47	40	27	45	25	55	56	....
St. Joseph	271	35	18	31	17	23	17	11	26	17	22	27	27	....
Tuscola	276	10	23	30	24	24	15	25	22	33	37	6	27	....
Van Buren	274	30	13	24	19	18	21	27	21	35	22	22	22	....
Washtenaw	332	20	22	26	24	22	24	25	23	36	26	47	37	....
Wayne	2,009	147	125	138	158	175	198	138	169	187	204	218	152	....
Wexford	126	12	6	12	10	7	12	18	11	11	5	9	13	....

COLOR OF PERSONS MARRIED.

Table 34 shows the marriage-rate in 1887 among the different races in Michigan. There are no great changes from those of 1886 in the general results, there being an increase in each corresponding to the increase in the number of marriages. As these marriage-rates are computed from the population of Michigan in 1884 with the marriages in 1887, due allowance should be made for the increase in population.

There was an increase of eight in the number of mixed marriages in 1887 over that for 1886. As may be seen from the foot-notes of Table 35, 10 white males married Indian females, and two married mulattoes. Two white females married black males, two married mulattoes and nine married Indians.

TABLE 34.—*Exhibiting, by Color and Sex, the number of Marriages and the per cent of Persons Married in 1887, to Population in 1884.*

Color, 1887.	Sex.	Population June 1, 1884, Represented by Marriages in 1887.	Number of Marriages, 1887.	Persons Married, 1887.		Per Cent of Persons Married in 1887 to Population June 1, 1884, by Sex and Color.	Number of Persons who Married those of Another Color.
				Number.	Per Cent of Total.		
All colors	Totals	1,853,658	17,050	34,100	100.00	1.84	80
	Males	974,424	.....	17,050	50.00	1.75	40
	Females	879,028	.....	17,050	50.00	1.94	40
	Unknown	206	.....	.....	.....	.....	.....
White	Totals	1,830,480	16,836	33,684	98.78	1.84	27
	Males	962,376	.....	16,847	98.81	1.75	13
	Females	868,094	.....	16,837	98.75	1.94	14
	Unknown	10	.....	.....	.....	.....	.....
Black	Totals	6,856	107	205	.60	2.99	15
	Males	3,692	.....	107	.63	2.90	12
	Females	3,164	.....	98	.57	3.10	3
Mulatto	Totals	8,267	44	96	.28	1.16	18
	Males	4,211	.....	44	.26	1.04	5
	Females	4,056	.....	52	.31	1.28	13
Indian	Totals	6,900	52	104	.31	1.51	20
	Males	3,574	.....	52	.30	1.45	10
	Females	3,326	.....	52	.31	1.56	10
One or both unknown	Totals	1,085	11	11	.03	1.01	.....
	Males	501	.....	.....	.....	.....	.....
	Females	388	.....	11	.06	2.84	.....
	Unknown	196	.....	.....	.....	.....	.....
Black and mulatto	Totals	15,123	151	301	.88	1.99	33
	Males	7,903	.....	151	.88	1.91	17
	Females	7,220	.....	150	.88	2.08	16

TABLE 35.—*Exhibiting for the State and Counties, the Number of Marriages returned for the year 1887, and the Color of Persons married in 1887, stated by Couples.*

State and Counties.	Marriages, 1887.	Color of Persons Married, 1887, stated by Couples.				
		White.	Black.	Mulatto.	Indian.	Female unk., Male white.
State	17,050	a 16,836	b 107	c 44	d 52	11
Alcona	26	26				
Alger	3	e 3				
Allegan	339	334	2		f 3	
Alpena	164	164				
Antrim	68	67			1	
Arenac	32	30		g 1	1	
Baraga	15	11			h 4	
Barry	169	169				
Bay	334	i 333	1			
Benzie	31	31				
Berrien	543	534	9			
Branch	273	273				
Calhoun	349	346		3		
Cass	215	195	j 16	4		
Charlevoix	74	72			2	
Cheboygan	79	k 79				
Chippewa	96	m 91			l 5	
Clare	58	58				
Clinton	210	209	1			
Crawford	25	25				
Delta	127	126			1	
Eaton	269	269				
Emmet	53	n 48			5	
Genesee	338	335	2	1		
Gladwin	23	23				
Gogebic	99	99				

a 10 couples, male White, female Indian; 2 couples, male White, female Mulatto; 1 couple, male "Jap," female White.
b 10 couples, male Black, female Mulatto; 2 couples, male Black, female White.
c 2 couples, male Mulatto, female White; 3 couples male Mulatto, female Black.
d 9 couples, male Indian, female White; 1 couple, male Indian, female Mulatto; 1 couple White and Indian.
e 1 couple, male White, female Indian.
f 1 couple, male Indian, female White.
g 1 couple, male Mulatto, female White.
h 1 couple, male Indian, female White.
i 1 couple, male White, female Mulatto.
j 1 couple, male Black, female Mulatto.
k 2 couples, male White, female Indian.
l 2 couples, male Indian, female White.
m 2 couples, male White, female Indian.
n 2 couples, male White, female Indian.

TABLE 35.—CONTINUED.—*Marriages in 1887, by Counties, by Color.*

Counties.	Marriages, 1887.	Color of Persons Married, 1887, stated by Couples.				
		White.	Black.	Mulatto.	Indian.	Female unk., Male white.
Grand Traverse	125	125				
Gratiot	214	212		o 2		
Hillsdale	349	349				
Houghton	257	257				
Huron	156	156				
Ingham	338	331	5	1		1
Ionia	282	282				
Iosco	139	139				
Iron	13	13				
Isabella	154	147	p 1		6	
Jackson	302	296	5			1
Kalamazoo	416	408	q 5	r 3		
Kalkaska	44	s 44				
Kent	919	909	t 7	u 3		
Keweenaw	9	9				
Lake	40	40				
Lapeer	211	211				
Leelanaw	39	31		1	v 7	
Lenawee	463	457	5	1		
Livingston	168	167	1			
Luce	6	6				
Mackinac	51	w 49			x 2	
Macomb	213	212	1			
Manistee	196	195			1	
Manitou	5	5				
Marquette	329	329				
Mason	114	111			y 3	
Mecosta	157	155	1		1	
Menominee	244	z 242			aa 2	
Midland	69	69				
Missaukee	22	22				
Monroe	318	318				

o 1 couple, male Mulatto, female White.
p 1 couple, male Black, female Mulatto.
q 3 couples, male Black, female Mulatto.
r 1 couple, male Mulatto, female Black.
s 1 couple, male White, female Mulatto.
t 3 couples, male Black, female Mulatto.
u 1 couple, male Mulatto, female Black.
v 1 couple, male Indian, female White.
w 2 couples, male White, female Indian.
x 2 couples, male Indian, female White.
y 1 couple, White and Indian.
z 1 couple, male White, female Indian.
aa 1 couple, male Indian, female Mulatto.

TABLE 35.—CONTINUED.—*Marriages in 1887, by Counties, by Color.*

Counties.	Marriages, 1887.	Color of Persons Married, 1887, stated by Couples.				
		White.	Black.	Mulatto.	Indian.	Female unk., Male white.
Montcalm	249	249				
Montmorency	6	6				
Muskegon	364	363			1	
Newaygo	140	139			bb 1	
Oakland	325	323		2		
Oceana	122	117			cc 5	
Ogemaw	38	38				
Ontonagon	24	23	1			
Osceola	142	142				
Oscoda	25	25				
Otsego	23	23				
Ottawa	298	298				
Presque Isle	40	40				
Roscommon	12	12				
Saginaw	636	635	1			
Sanilac	201	201				
Schoolcraft	46	44		1	1	
Shiawassee	231	230	1			
St. Clair	466	465	1			
St. Joseph	271	269	1	1		
Tuscola	276	276				
Van Buren	274	270	4			
Washtenaw	332	dd 327	3	2		
Wayne	2,009	1,949	ee 33	ff 18		9
Wexford	126	126				

bb 1 couple, male Indian, female White.
cc 1 couple, male Indian, female White.
dd 1 couple, male Japanese, female White.
ee 2 couples, male Black, female White; 2 couples, male Black, female Mulatto.
ff 1 couple, male Mulatto, female Black.

NATIVITY OF PERSONS MARRIED.

In Table 36 is presented the number and proportion of native and foreign-born brides and bridegrooms for the year 1887. From this it appears that both parties were native-born in 9,658 cases, both were foreign-born in 3,447 cases, and in 42 cases the nativity of both groom and bride was not stated. There were 1,445 native-born males who married foreign-born brides and 153 who married brides whose nativity was not returned. There were 2,234 native-born females who married foreign-born males and 27 who married males of unknown nativity.

As regards the per cent of each nativity from year to year there is very little variation, the native-born grooms being 66.02 in 1887, 67.73 in 1886, 68.51 in 1885, 66.70 in 1884, and 66.22 in 1883. The native-born brides were 69.91 in 1887, 71.46 in 1886, 71.44 in 1885, 69.59 in 1884, and 69.62 in 1883.

TABLE 36.—*By Nativity, the Number and Per Cent of Brides and of Bridegrooms returned for the Year 1887.*

Bridegrooms and Brides,—Nativity Specified.		Brides, 1887.			Bridegrooms, 1887.	
		Native-born.	Foreign-born.	Unknown.	Total of each nativity and of all nativities	Per cent of each nativity.
Bridegrooms.	Native-born	9,658	1,445	153	11,256	66.02
	Foreign-born	2,234	3,447	37	5,718	33.54
	Unknown	27	7	42	76	.44
Brides.	Whole No. of each nativity and total	11,919	4,899	232	17,050	.....
	Per cent of each nativity and total	69.91	28.73	1.36	.....	100.00

Table 37 shows the marriage-rates for the total population and for the native and foreign-born inhabitants in 1887. While there is little difference in the percentages as computed for the total of all nativities, and none whatever in the percentages for the native, there is quite an increase in the percentages of the foreign-born over those returned in 1886. This is also shown in the number of persons married; in 1886 there were 23,150 native-born persons married and 9,841 foreign-born persons; in 1887 there were 23,175 native-born persons married and 10,617 foreign-born. The increase, then, in the number of marriages for 1887 comes from the foreign-born.

The tabulated exhibit which follows Table 37 is designed to show that a marriage-rate based upon the total population is not as accurate as one based upon a comparison of the marriageable population. An examination of the census of 1884 shows that while there were 575,018 native children under 15 years of age, there were but 63,584 foreign-born under the same age. Deducting these figures from the total population of each and making the computations, there appears to be 2.96 per cent for the native and 2.51 per cent for the foreign-born, as compared with 1.71 per cent and 2.18 per cent respectively, in Table 37.

TABLE 37.—*Exhibiting, by Sex, the Nativity of Persons Married in Michigan in 1887 and the Population in 1884.*

Nativity of Persons Married, 1887.	Marriages, 1887.		Population June 1, 1884, Represented by Marriages, 1887.			Persons Married, 1887.					
	Number.	Per cent of Total.	Totals.	Males.	Females.	Number.			Per cent. of persons married in 1887 to population of same nativity, June 1, 1884.		
						Totals	Males.	Females.	Totals	Males.	Females.
Totals	17,050	100.00	1,853,658	974,424	979,028	34,100	17,050	17,050	1.84	1.75	1.94
Native-born	9,658	56.65	1,357,639	695,490	662,145	23,175	11,256	11,919	1.71	1.62	1.80
Foreign-born	3,447	20.22	486,968	272,298	214,669	10,617	5,718	4,899	2.18	2.10	2.28
Foreign male and native female	2,234	13.10									
Foreign female and native male	1,445	8.47									
Nativity unknown	266	1.56	9,051	6,636	2,214	308	76	232	3.40	1.15	10.48
One or both native	13,517	79.28									
One or both foreign	7,170	42.05									

Nativity.	Inhabitants June 1, 1884, Aged 15 Years and Over.			Persons Married, 1887.			Per Cent of Persons Married in 1887 to Inhabitants June 1, 1884, Aged 15 Years and Over.		
	Both sexes.	Males.	Females.	Both sexes.	Males.	Females.	Both sexes.	Males.	Females.
All nativities	1,213,634	649,588	564,046	34,100	17,050	17,050	2.81	2.62	3.02
Native	782,620	403,790	378,830	23,175	11,256	11,919	2.96	2.79	3.15
Foreign	423,384	239,827	183,557	10,617	5,718	4,899	2.51	2.39	2.67

Table 38 shows the percentages, for a period of fourteen years extending from 1874 to 1887, of marriages in Michigan according to the nativity of groom and bride. It appears from the table that there was a decrease in the percentage of the native-born in 1887, being 1.85 per cent less then in 1886, and less than that of any year of the table. On the other hand, the percentages of the foreign-born were increased in about the same proportion as the native-born were decreased.

As compared with the average, the year 1887 presents even greater contrasts than with the year 1886, the native-born being 3.61 per cent less than the average, and the foreign-born 3.04 per cent greater than the average.

In the class of marriages of persons of mixed parentage, there was an increase in the class of foreign-born grooms and native-born brides, being greater in 1887 than for any year since 1879, and greater also than the average.

TABLE 38.—*Per Cent of Marriages, by Nativity, in Michigan for Fourteen Years, 1874–1887, and the Average for these Years.*

Years.	Both native-born.	Both foreign-born.	Native-born groom and foreign-born bride.	Foreign-born groom and native-born bride.	Unknown.
1874	59.89	18.29	7.39	12.17	2.26
1875	61.55	16.08	7.35	12.88	2.14
1876	62.44	15.02	7.01	13.26	2.27
1877	63.33	14.31	7.18	13.05	2.13
1878	63.83	12.68	7.72	13.48	2.29
1879	64.15	12.78	7.40	13.56	2.11
1880	62.17	15.20	7.48	13.02	2.13
1881	59.30	18.00	8.18	12.75	1.77
1882	58.15	19.61	8.72	12.47	1.05
1883	57.19	20.60	8.65	12.27	1.29
1884	57.28	20.32	9.00	12.11	1.29
1885	59.14	18.65	8.90	12.13	1.18
1886	58.50	18.71	8.76	12.79	1.24
1887	56.65	20.22	8.47	13.10	1.56
Average	60.26	17.18	8.02	12.79	1.77

AGES OF PERSONS MARRIED.

In Table 39 may be seen the average age, at time of marriage, of all persons of both sexes, of the native and foreign-born and also of the unknown nativity. The customary average of about 28 years for males and 23 years for females is again shown by the returns for 1887, which present but slight differences as compared either with those for 1886 or with the ten-year average.

As usual, the average age at time of marriage of the foreign-born was higher than those of the native-born, the difference being about one to one and a half years.

TABLE 39.—*By Nativity, the Average Age of Persons Married in Michigan in 1884–1887, and the Average for ten years, 1877–1886.*

Nativity of Persons Married.	1884.		1885.		1886.		1887.		Average Age for 10 Years, 1877–1886.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
All nativities	28.43	23.40	28.35	23.39	28.26	23.35	28.60	23.57	28.19	23.23
Native	28.00	22.96	27.81	22.87	27.78	22.85	28.17	23.17	27.69	22.80
Foreign	29.27	24.44	29.51	24.70	29.28	24.63	29.40	24.54	29.34	24.43
Unknown	31.06	24.08	30.62	23.95	28.44	24.26	29.85	23.69	29.23	24.02

In table 40 may be found the number and proportion of males and females married at each period of age in Michigan during the year 1887. The proportion of males married under 20 years of age does not vary much from year to year, being 2.38 per cent in 1877 and 2.32 per cent in 1887, but the proportion of females married under 20 has decreased from 38.19 per cent in 1877 to 33.31 per cent in 1887. The average per cent for the period of ten years 1877–1886 being 2.56 for males and 35.23 for females.

The proportion of males married between the ages of 20 and 25 has gradually lessened each year since 1880, being in that year 41.14 and in 1887 36.48. The average per cent for the ten years 1877–1886 was 39.90. The proportion of females married at this period of age was 38.09 per cent in 1887, and the average for the above period of years was 38.22.

Nearly 70 per cent of all the males married in Michigan in 1887 between the ages of 20 and 30 years, and over 52 per cent of all females were married between the same ages.

PERSONS MARRIED UNDER TWENTY-ONE YEARS OF AGE.

In 1887 there were 8,455 persons married under the age of 21, of whom 1,071 were males and 7,384 were females. This is not as large a number as was returned for 1886, there being for that year 8,536 persons, of whom 1,088 were males and 7,448 were females. The percentage of all married under 21 to the whole number married was 24.79 in 1887, 25.66 in 1886, 25.23 in 1885, and 25.14 in 1884.

By the laws of this State, only males who have attained the full age of 18 years and females the full age of 16 years, are capable of contracting marriage. Although this law has been in force for years, and there is a penalty for its violation of five hundred dollars or spending a year in the county jail, still, each year there are a number of marriages returned where one or both of the contracting parties are under the legal age. In 1887, 6 males and 97 females were returned as under the legal age, one male at 16 and 5 at 17; 2 females were married at 13, 19 at 14, and 76 at 15.

TABLE 40.—*Exhibiting, by Sex and by Periods of Age, the Number and Per Cent of Persons Married during the Year 1887.*

Ages in Years and Periods.	Marriages, 1887.						
	Total Number of Persons Married, 1887.	Males.			Females.		
		Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Corresponding Ages.	Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Corresponding Ages.
All ages	34,100	17,050	100.00	50.00	17,050	100.00	50.00
12	----	----	----	----	----	----	----
13	2	----	----	----	2	.01	100.00
14	19	----	----	----	19	.11	100.00
15	76	----	----	----	76	.45	100.00
16	823	1	.01	.12	822	4.82	99.88
17	1,163	5	.03	.43	1,158	6.79	99.57
18	1,919	109	.64	5.68	1,810	10.62	94.32
19	2,073	280	1.64	13.51	1,793	10.52	86.49
20	2,380	676	3.96	28.40	1,704	9.99	71.60
21 to 25	10,333	5,543	32.51	53.64	4,790	28.09	46.36
25 to 30	8,031	5,549	32.55	69.09	2,482	14.56	30.91
30 to 35	3,008	2,097	12.30	69.71	911	5.34	30.28
35 to 40	1,498	1,008	5.91	67.29	490	2.87	32.71
40 to 45	936	584	3.42	62.39	352	2.06	37.61
45 to 50	579	351	2.06	60.62	228	1.34	39.38
50 to 55	436	285	1.67	65.37	151	.89	34.63
55 to 60	278	179	1.05	64.39	99	.58	35.61
60 to 65	225	164	.96	72.89	61	.36	27.11
65 to 70	142	116	.68	81.69	26	.15	18.31
70 to 75	78	63	.37	80.77	15	.09	19.23
75 to 80	20	15	.09	75.00	5	.03	25.00
80 and over	4	3	.02	75.00	1	.01	25.00
Unknown ages	77	22	.13	28.57	55	.32	71.43
Under 15	21	----	----	----	21	.12	100.00
15 to 20	6,054	395	2.32	6.52	5,659	33.19	93.48
20 to 25	12,713	6,219	36.48	48.92	6,494	38.09	51.08

TABLE 41.—*Exhibiting, for the State and Counties, by Sex, the Nativity and Age in Periods of Years, of Persons Married in Michigan during the Year 1887.*

State and Counties.	Number of couples married, 1887.	Nativity of Persons Married 1887, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1887.														
		Both native-born.	Both foreign-born.	Foreign males, native females.	Foreign females, native males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males. Unknown. Females. Native.	Males. Unknown. Females. Foreign.	Both unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
State	17,050	9,658	3,447	2,234	1,445	153	37	27	7	42	Totals	6,075	12,713	8,031	3,008	1,498	936	579	436	278	225	142	78	20	4	77
											Males	395	6,219	5,549	2,097	1,008	584	351	285	179	164	116	63	15	3	22
											Females	5,680	6,494	2,482	911	490	352	228	151	99	61	26	15	5	1	55
Alcona	26	7	12	4	3						Males	1	13	5	5	1					1					
											Females	16	5	2	1	1						1				
Alger	3		2	1							Males			2	1											
											Females		2		1											
Allegan	339	257	24	32	18	4	1	1	1	1	Males	12	115	95	40	24	18	12	5	2	5	7	3	1		
											Females	112	123	44	19	12	12	6	2	3	3	2	1			
Alpena	164	30	83	27	24						Males	3	66	54	22	10	6	2	1							
											Females	67	56	25	6	5	2	1		2						
Antrim	68	31	11	12	13			1			Males	4	22	27	4	5	1	1		2		1	1			
											Females	34	19	7	3	3	1	1								
Arenac	32	11	14	5	2						Males		14	13	3	1		1								
											Females	18	7	5	1		1									
Baraga	15	4	8	3							Males		4	7	3											1
											Females	2	9	3												1

Barry	169	151	5	10	8	.....	.....	.....	.....	.....	Males	3	77	40	22	6	3	3	5	6	1	2	1	...	..	...
											Females	67	57	22	5	4	2	5	4	1	1	1	....	....	..	...
Bay	334	99	117	61	57	.....	.....	.....	.....	.....	Males	3	120	113	42	26	15	4	6	2	3	....	....	....	..	...
											Females	116	140	40	18	6	8	3	..	2	....	....	....	1	..	...
Benzie	31	14	9	6	2	.....	.....	.....	.....	.....	Males	1	10	14	2	2	1	.....	1	....	....	....	....	....	..	...
											Females	16	7	6	1	1	.....	.....	....	....	....	....	....	....	..	...
Berrien	543	423	36	43	28	7	2	.....	1	3	Males	15	224	175	52	28	13	7	12	4	9	2	....	1	..	1
											Females	199	204	80	23	13	6	7	9	1	....	....	....	....	..	1
Branch	273	235	10	14	8	5	1	.....	....	....	Males	11	106	72	21	11	12	12	9	5	6	5	2	1	..	...
											Females	99	86	31	18	14	5	8	3	5	2	1	1	....	..	...
Calhoun	349	285	13	23	19	6	.....	1	.....	2	Males	15	114	109	43	19	20	3	10	4	3	5	4	....	..	...
											Females	99	121	66	24	12	8	5	5	3	5	1	....	....	..	...
Cass	215	194	3	11	5	1	.....	.....		1	Males	10	74	66	26	13	9	5	1	5	2	1	1	1	1	...
											Females	67	85	28	14	8	3	3	4	1	1	1	....	....	..	...
Charlevoix	74	35	14	15	9	.....	1	.....	.....	....	Males	2	26	28	9	3	2	.....	1	....	....	3	....	....	..	...
											Females	44	19	8	.....	.....	.....	2	1	....	....	....	....	....	..	...
Cheboygan	79	30	31	11	6	1	.....	.....	.....	....	Males	2	26	33	9	5	3	.....	....	1	....	....	....	....	..	...
											Females	33	25	13	2	2	1	2	....	1	....	....	....	....	..	...
Chippewa	96	18	53	7	15	.....	1	.....	.....	2	Males	2	32	41	13	1	5	.....	....	1	1	....	....	....	..	...
											Females	31	36	17	7	3	.....	1	....	....	....	....	....	....	..	1
Clare	58	30	12	10	4	1	.....	1	.....	....	Males	.....	26	25	3	2	.....	.....	1	....	1	....	....	....	..	...
											Females	33	19	2	1	.....	1	.....	1	....	....	....	....	....	..	1
Clinton	210	171	5	21	13	.....	.....	.....	.....	....	Males	7	83	62	27	9	6	5	1	2	2	1	2	....	..	...
											Females	74	87	25	8	3	4	4	1	3	1	....	....	....	..	..
Crawford	25	13	4	4	3	.....	.....	.....	.....	1	Males	.....	7	13	3	.....	2	.....	....	....	....	....	....	....	..	...
											Females	15	5	3	2	.....	.....	.....	....	....	....	....	...	....	..	...
Delta	127	30	68	22	5	1	1	.....	.....	....	Males	3	48	41	23	8	2	2	....	....	....	....	....	....	..	...
											Females	37	54	23	7	3	2	1	....	....	....	....	....	....	..	...

TABLE 41.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

Counties.	Number of couples married, 1887.	Nativity of Persons Married, 1887, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1887.														
		Both native-born.	Both foreign-born.	Foreign males, native females.	Foreign females, native males.	Females Unknown. Males.		Males Unknown. Females.		Both unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
						Native.	Foreign.	Native.	Foreign.																	
Eaton	269	234	1	18	12	2	.....	1	.....	1	Males	12	121	49	33	20	8	7	6	3	3	5	2	....	..	---
											Females	104	87	33	13	6	8	8	3	4	....	1	....	....	..	2
Emmet	53	38	7	5	3	.....	.....	.....	.....	....	Males	2	23	16	6	4	1	.....	....	....	1	....	....	....	..	---
											Females	24	22	6	.....	.....	.....	.....	1	....	....	....	....	....	..	---
Genesee	338	232	28	37	31	6	.....	1	.....	3	Males	10	123	83	41	24	10	7	12	6	11	9	....	1	..	1
											Females	101	119	46	22	14	13	7	8	3	1	2	1	....	..	1
Gladwin	99	17	64	11	6	.....	.....	.....	.....	1	Males	1	34	39	12	10	2	1	....	....	....	....	....	....	..	---
											Females	21	58	11	9	.....	.....	.....	....	....	....	....	....	....	..	---
Gogebic	23	10	5	2	6	.....	.....	.....	.....	....	Males	2	3	9	4	1	.....	.....	4	....	....	....	....	....	..	---
											Females	9	9	.....	2	3	.....	.....	....	....	....	....	....	....	..	---
G'd Traverse	125	74	11	18	17	4	1	.....	.....	....	Males	5	47	40	17	9	5	.....	2	....	....	....	....	....	..	---
											Females	52	53	12	5	1	2	.....	....	....	....	....	....	....	..	---
Gratiot	214	159	8	30	11	3	.....	1	1	1	Males	8	90	61	25	7	4	5	6	1	6	....	1	....	..	---
											Females	122	53	15	6	5	2	3	2	2	1	2	....	1	..	---
Hillsdale	349	322	4	5	7	7	.....	3	.....	1	Males	12	152	92	40	16	9	6	5	3	5	6	3	....	..	---
											Females	129	131	38	15	5	7	8	4	3	4	....	....	....	..	5
Houghton	257	52	141	51	12	.....	1	.....	.....	....	Males	3	85	120	21	16	6	3	3	....	....	....	....	....	..	---
											Females	68	121	44	12	6	1	1	2	1	....	....	....	....	..	1

Huron	156	43	57	34	22	.....	.....	.....	.....	...	Males	2	50	61	23	9	4	2	3	1	1	....	1	....	..	---
											Females	59	63	14	10	5	.....	2	3	....	....	....	....	....	..	---
Ingham	338	251	22	36	23	5	.....	.....	.....	1	Males	13	122	94	48	20	11	7	11	2	2	3	3	2	..	---
											Females	117	126	42	19	12	7	4	3	3	1	1	2	....	..	1
Ionia	282	214	13	23	15	16	.....	.....	.....	1	Males	17	86	95	27	15	11	7	4	13	6	1	....	....	..	---
											Females	111	87	35	14	9	8	7	8	3	....	....	....	....	..	---
Iosco	139	28	59	27	24	1	.....	.....	.....	....	Males	6	47	50	23	4	5	2	1	....	....	....	....	....	..	1
											Females	55	59	15	5	2	.....	2	....	....	....	....	....	....	..	1
Iron	13	2	9	1	1	.....	.....	.....	.....	....	Males	1	3	6	2	1	.....	.....	....	....	....	....	....	....	..	---
											Females	1	7	3	1	.....	1	.....	....	....	....	....	....	....	..	---
Isabella	154	91	24	26	11	1	.....	.....	.....	1	Males	4	53	54	17	8	10	6	1	....	....	....	1	....	..	---
											Females	72	47	15	9	6	3	1	1	....	....	....	....	....	..	---
Jackson	302	242	19	21	17	1	.....	.....	.....	2	Males	7	100	104	32	24	12	4	10	4	1	3	1	....	..	---
											Females	76	119	52	20	14	11	5	1	1	2	....	....	1	..	---
Kalamazoo	416	320	45	29	18	3	.....	.....	1	....	Males	10	164	122	50	29	15	8	4	4	7	2	1	....	..	---
											Females	127	162	66	24	13	12	3	4	2	1	....	1	....	..	1
Kalkaska	44	30	2	7	4	1	.....	.....	.....	..	Males	2	18	15	5	2	.....	.....	....	2	....	....	....	....	..	---
											Females	27	12	2	.....	.....	1	.....	1	1	....	....	....	....	..	---
Kent	919	479	202	146	80	9	.....	1	.....	2	Males	23	332	292	114	50	43	21	9	10	9	6	7	1	1	1
											Females	262	370	143	50	29	22	14	11	4	7	1	2	1	..	3
Keweenaw	9	4	3	2	.....	.....	.....	.....	.....	....	Males	.....	3	4	2	.....	.....	....	....	....	....	....	....	....	..	---
											Females	2	6	1	.....	.....	.....	.....	....	....	....	....	....	....	..	---
Lake	40	24	4	9	3	.....	.....	.....	.....	....	Males	2	16	14	3	3	.....	1	1	....	....	....	....	....	..	---
											Females	26	7	3	3	.....	1	.....	....	....	....	....	....	....	..	---
Lapeer	211	107	22	45	34	2	1	.....	.....	....	Males	4	79	67	34	10	5	4	5	2	....	1	....	....	..	---
											Females	89	77	21	4	3	6	7	3	1	....	....	....	....	..	---
Leelanaw	39	21	8	6	4	.....	.....	.....	.....	....	Males	.....	12	11	5	3	4	2	1	1	....	....	....	....	..	---
											Females	12	16	5	1	1	2	1	1	....	....	....	....	....	..	---

TABLE 41.—CONTINUED.—*Marriages by Counties, Nativity and Periods of Age.*

Counties.	Number of Couples married, 1887.	Nativity of Persons Married, 1887, Stated by Couples.									Sex. Stated.	Marriages at Different Ages, Stated in Periods of Years, 1887.														
		Both native-born.	Both foreign-born.	Foreign males, native females.	Foreign females, native males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Lenawee	463	385	18	32	18	5	.....	2	.....	3	Males	12	174	142	46	27	23	8	11	7	2	5	6	....	..	...
											Females	148	168	71	23	21	7	11	6	4	3	1	....	....	..	...
Livingston	163	134	7	16	11	.....	.....	.....	.....	....	Males	4	59	48	18	11	8	9	....	4	3	1	3	....	..	...
											Females	42	73	21	10	7	4	2	1	5	....	2	....	1	..	...
Luce	6	1	4	1	.....	.....	.....	.....	.....	....	Males	.....	2	3	1	.....	.....	.....	....	....	....	....	....	....	..	...
											Females	2	4	.....	.....	.....	.....	.....	....	....	....	....	....	....	..	...
Mackinac	51	15	13	16	6	.....	.....	.....	.....	1	Males	.....	18	21	2	4	1	4	....	....	1	....	....	....	..	...
											Females	23	13	4	5	3	1	2	....	....	....	....	....	....	..	...
Macomb	213	127	26	38	22	.....	.....	.....	.....	....	Males	3	81	74	30	5	4	4	3	2	3	4	....	....	..	...
											Females	50	110	26	10	4	6	4	1	1	....	1	....	....	..	...
Manistee	196	42	119	21	13	.....	.....	.....	.....	1	Males	1	67	72	30	9	8	7	....	1	1	....	....	....	..	...
											Females	69	73	30	12	4	4	1	....	....	2	....	....	....	..	1
Manitou	5	1	2	1	1	.....	.....	.....	.....	....	Males	.....	3	2	.....	.....	.....	.....	....	....	....	....	....	....	..	...
											Females	.....	4	1	.....	.....	.....	.....	....	....	....	....	....	....	..	...
Marquette	329	42	220	42	25	.....	.....	.....	.....	....	Males	1	124	123	48	18	9	5	....	1	....	....	....	....	..	...
											Females	89	142	65	21	5	6	.....	....	....	....	....	....	....	..	1
Mason	114	59	35	12	7	1	.....	.....	.....	....	Males	2	36	30	17	13	5	3	2	1	....	5	....	....	..	...
											Females	29	42	19	9	8	.....	4	....	1	1	1	....	....	..	...

Mecosta	157	80	41	21	10	4	.....	.....	.....	1	Males	2	52	49	26	10	6	1	3	....	....	....	2	1	..	5
											Females	56	53	18	10	2	9	.....	1	....	2	....	....	....	1	5
Menominee	244	40	143	40	18	1	3	.....	.....	....	Males	3	84	88	41	16	6	6	....	....	....	....	....	....	....	..	...
											Females	75	101	41	16	5	5	1	....	....	....	....	....	....	..	...
Midland	69	33	9	16	10	1	.....	.....	.....	....	Males	1	34	18	5	3	3	3	1	1	....	....	....	....	..	...
											Females	40	22	6	.....	.....	1	.....	....	....	....	....	....	....	..	...
Missaukee	22	9	5	6	1	.....	.....	.....	.....	1	Males	.....	5	11	2	3	.....	.....	....	....	....	....	....	....	..	1
											Females	11	4	5	1	.....	.....	.....	....	....	....	....	....	....	..	1
Monroe	318	261	9	26	14	6	.....	1	.....	1	Males	4	117	104	42	16	11	8	6	5	2	3	....	....	..	...
											Females	112	107	56	20	8	3	3	5	3	1	....	....	....	..	...
Montcalm	249	156	34	33	23	.....	.....	1	.....	2	Males	9	90	74	30	16	14	4	6	2	2	1	1	....	..	...
											Females	112	75	22	11	9	12	2	1	1	1	1	1	....	..	1
Montmorency	6	1	1	2	2	.....	.....	.....	.....	....	Males	.....	2	3	.....	1	.....	.....	....	....	....	....	....	....	..	...
											Females	3	2	1	.....	.....	.....	.....	....	....	....	....	....	....	..	...
Muskegon	364	133	135	52	33	2	.....	4	.....	5	Males	5	137	115	48	31	14	5	4	4	1	....	....	....	..	...
											Females	128	124	68	23	6	9	3	2	....	....	1	....	....	..	...
Newaygo	140	96	16	16	11	1	.....	.....	.....	....	Males	5	59	39	15	6	6	3	3	....	2	2	....	....	..	...
											Females	72	40	11	5	1	6	2	3	....	....	....	....	....	..	...
Oakland	325	245	7	50	20	2	.....	1	.....	....	Males	10	120	92	44	23	13	4	7	4	3	2	1	1	1	...
											Females	92	133	52	16	6	11	6	4	2	1	1	1	....	..	...
Oceana	122	96	8	6	11	1	.....	.....	.....	....	Males	3	45	46	11	7	.....	5	2	....	1	....	....	....	..	2
											Females	62	36	7	6	6	1	.....	....	1	....	....	....	....	..	3
Ogemaw	38	14	5	11	8	.....	.....	.....	.....	....	Males	1	12	16	3	2	2	.....	1	1	....	....	....	....	..	...
											Females	22	11	2	.....	1	.....	1	1	....	....	....	....	....	..	...
Ontonagon	24	12	7	5	.....	.....	.....	.....	.....	....	Males	.....	6	10	2	2	1	1	1	1	....	....	....	....	..	...
											Females	5	12	2	2	1	.....	1	....	....	....	1	....	....	..	...
Osceola	142	67	23	27	18	4	3	.....	.....	....	Males	1	58	36	22	10	7	3	....	3	1	....	1	....	..	...
											Females	50	57	13	9	6	4	1	....	1	1	....	....	....	..	...

TABLE 41.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

Counties.	Number of couples married, 1887.	Nativity of Persons Married, 1887, Stated by Couples.									Sex. Stated.	Marriages at Different Ages, Stated in Periods of Years, 1887.														
		Both native-born.	Both foreign-born.	Foreign males, native females.	Foreign females, native males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Oscoda	25	18	1	3	2	1	.....	.....	.....	...	Males	.....	6	9	7	1	.....	.....	1	...	...	...	...	...	..	1
											Females	8	9	7	.....	.....	.....	.....	...	...	...	...	...	...	..	1
Otsego	23	7	5	3	5	1	2	.....	.....	...	Males	1	5	11	4	1	.....	.....	...	...	1	...	...	...	..	...
											Females	15	9	1	2	.....	.....	1	...	...	...	...	...	...	..	...
Ottawa	298	157	50	54	37	.....	.....	.....	.....	...	Males	7	107	106	31	16	11	8	3	3	2	3	1	...	..	...
											Females	87	130	48	15	3	3	3	1	5	1	1	1	...	..	...
Presque Isle	40	4	24	11	1	.....	.....	.....	.....	...	Males	.....	17	15	1	1	2	3	1	...	...	...	...	...	..	...
											Females	26	8	.....	1	2	1	1	1	...	...	...	...	...	..	...
Roscommon	12	6	3	3	.....	.....	.....	.....	.....	...	Males	1	6	4	1	.....	.....	.....	...	...	...	...	...	...	..	...
											Females	8	3	.....	1	.....	.....	.....	...	...	...	...	...	...	..	...
Saginaw	636	296	141	111	80	2	3	2	.....	1	Males	12	207	231	93	43	15	6	10	3	4	6	2	1	..	1
											Females	203	244	98	34	21	15	5	7	4	1	1	...	...	..	3
Sanilac	201	55	59	57	30	.....	.....	.....	.....	...	Males	2	85	72	18	7	4	1	3	3	5	...	1	...	..	...
											Females	87	79	20	5	2	2	1	2	1	2	...	...	...	..	...
Schoolcraft	46	9	21	11	5	.....	.....	.....	.....	...	Males	1	14	20	6	.....	2	1	1	...	...	1	...	...	..	...
											Females	22	11	10	2	.....	.....	.....	...	1	...	...	...	...	..	...
Shiawassee	231	161	20	28	19	2	.....	.....	1	...	Males	6	82	73	29	15	11	.....	4	1	8	...	...	2	..	...
											Females	87	85	27	13	3	8	2	1	2	3	...	...	...	..	...

| | | |

MANNER OF UNION BY AGES.

Table 42 shows the number and proportion of males and females married at each period of age, in Michigan, during the year 1887. The divisions of age of the grooms are placed in the first column, and of the brides across the top of the table, and may be explained as follows: Of the 395 grooms who were under 20, 325 married brides under 20, 61 married brides 20 to 25, and 7 married brides 25 to 30, etc. In a similar manner the other numbers in the column headed "Total males" are distributed throughout the table.

Of the 5,680 females who were married under 20 years of age, as shown in the second line from the bottom, 325 married males under 20, 3,112 married males 20 to 25, etc., down to 2 who married males 60 to 65. In like manner read each number on the line of "Total females."

The period in which the greatest proportion of both males and females was married was that of 20 to 25, there being 36.47 per cent of males and 38.09 per cent of females.

TABLE 42.—*Exhibiting the Number of each Sex, at each Period of Age, married during the Year 1887, and the Per Cent of Brides and of Bridegrooms at each Period of Age to Total at all ages.*

Ages of Males, 1887.	Ages of Females, 1887.															Total males.	Per cent of grooms at each age.
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.		
Under 20	325	61	7	.....	.....	....	....	....	....	....	....	....	....	....	2	395	2.32
20 to 25	3,112	2,677	357	49	14	2	1	....	1	....	....	....	....	....	6	6,219	36.47
25 to 30	1,758	2,527	1,040	159	40	9	2	1	....	....	....	....	....	....	13	5,549	32.54
30 to 35	336	806	572	279	70	19	7	3	....	....	....	....	....	....	5	2,097	12.30
35 to 40	94	267	254	183	128	56	15	4	2	....	1	....	....	....	4	1,008	5.91
40 to 45	34	93	140	113	93	78	23	6	2	....	....	....	....	....	2	584	3.43
45 to 50	12	36	54	62	66	63	35	13	6	2	1	1	....	....	....	351	2.06
50 to 55	5	15	32	41	39	58	47	38	7	1	....	1	1	....	....	285	1.67
55 to 60	2	3	13	14	16	31	38	28	22	7	5	....	....	....	....	179	1.05
60 to 65	2	6	5	6	11	22	33	28	27	19	3	....	1	....	1	164	.96
65 to 70	.....	3	8	4	6	9	20	19	19	17	8	3	....	....	....	116	.68
70 to 75	.....	.....	.....	1	6	4	6	9	9	11	6	8	2	1	....	63	.37
75 to 80	.....	.....	.....	.....	1	1	1	1	4	3	2	1	1	....	....	15	.09
80 and over	.....	.....	.....	.....	.....	....	....	1	....	1	....	1	....	....	....	3	.02
Unknown	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	22	22	.13
Total females	5,680	6,494	2,482	911	490	352	228	151	99	61	26	15	5	1	55	17,050	.....
Per cent of brides at each age	33.31	38.09	14.56	5.34	2.87	2.06	1.34	.89	.58	.36	.15	.09	.03	.01	.32	.....	100.00

DISPARITY OF AGE.

As usual, the returns of marriages for 1887 show some curious and remarkable differences in regard to the age of the parties. It is only possible to mention a few cases here, but those who have the curiosity to examine into such matters will be amply repaid by reference to Table 42. Among such marriages may be mentioned a groom of 64 to a bride of 19, which occurred in Shiawassee county; a groom of 65 to a bride of 20 in St. Joseph county. The other extreme, where the groom takes a bride many years older than himself was also well represented. Among these may be mentioned a groom of 21 to a bride of 48 in Saginaw county, and a groom of 35 to a bride of 65 in Genesee county.

TABLE 43.—*Exhibiting, by Counties, the number of Marriages in Michigan for the years 1885, 1886, and 1887; the number as first returned, and the numbers returned since first Compilation for the years 1885 and 1886; the number of Inhabitants in 1884, and the Per Cent of Marriages in 1887 to Population in 1884.*

State and Counties.	Marriages.							Population 1884, represented by marriages in 1887.	Number of inhabitants in 1884 to one marriage in 1887.	Per cent of marriages in 1887 to population in 1884.
	1885.			1886.			1887.			
	Number as first returned and compiled.	Number returned since first compilation.	Number returned previous to June 27, 1888.	Number as first returned and compiled.	Number returned since first compilation.	Number returned previous to June 27, 1888.	Number returned.			
State	15,016	865	15,881	16,631	16	16,647	17,050	1,853,658	109	.92
Alcona	32	1	33	27	.....	27	26	4,028	155	.65
Alger	3	.....	3	4	.....	4	3	a	-----	------
Allegan	324	15	339	372	.....	372	339	38,666	114	.88
Alpena	133	1	134	118	.....	118	164	12,683	77	1.29
Antrim	86	.....	86	83	.....	83	68	8,761	129	.78
Arenac	15	.....	15	28	.....	28	32	4,027	126	.79
Baraga	15	5	20	15	.....	15	15	3,039	202	.49
Barry	209	10	219	200	5	205	169	24,102	143	.70
Bay	307	11	318	358	.....	358	334	51,221	154	.65
Benzie	45	.....	45	31	.....	31	31	4,389	142	.71
Berrien	432	39	471	602	.....	602	543	37,776	70	1.44
Branch	281	13	294	279	.....	279	273	27,661	101	.99
Calhoun	342	15	357	312	.....	312	349	41,585	119	.84
Cass	208	9	217	235	.....	235	215	21,202	99	1.01
Charlevoix	47	2	49	41	.....	41	74	9,275	125	.80
Cheboygan	80	2	82	86	.....	86	79	9,946	126	.79
Chippewa	69	1	70	89	.....	89	96	8,422	88	1.14
Clare	52	2	54	46	.....	46	58	5,549	96	1.05
Clinton	202	5	207	214	2	216	210	27,135	129	.77
Crawford	19	1	20	16	.....	16	25	2,389	96	1.05
Delta	79	14	93	100	.....	100	127	9,992	79	1.27
Eaton	283	16	299	280	.....	280	269	31,802	118	.85
Emmet	57	7	64	52	.....	52	53	7,944	150	.67
Genesee	289	56	345	349	.....	349	338	38,776	115	.87
Gladwin	19	.....	19	15	.....	15	23	1,539	67	1.49

a Organized since census was taken.

TABLE 43.—CONTINUED.—*Marriages, Corrected by Counties.*

Counties.	Marriages.							Population 1884, represented by marriages in 1887.	Number of inhabitants in 1884 to one marriage in 1887.	Per cent. of marriages in 1887 to population in 1884.
	1885.			1886.			1887.			
	Number as first returned and compiled.	Number returned since first compilation.	Number returned previous to June 27, 1888.	Number as first returned and compiled.	Number returned since first compilation.	Number returned previous to June 27, 1888.	Number returned.			
Gogebic	----	----	----	----	----	----	99	----	----	----
Grand Traverse	85	----	85	96	----	96	125	12,092	97	1.03
Gratiot	210	1	211	209	----	209	214	25,049	117	.85
Hillsdale	341	1	342	298	----	298	349	31,686	91	1.10
Houghton	193	8	201	251	----	251	257	26,146	102	.98
Huron	114	10	124	140	3	143	156	24,521	157	.64
Ingham	301	6	307	317	----	317	338	34,939	103	.97
Ionia	282	7	289	266	1	267	282	32,559	115	.87
Iosco	86	----	86	102	1	103	139	10,602	76	1.31
Iron	7	----	7	16	----	16	13	a	----	----
Isabella	142	3	145	159	----	159	154	16,011	104	.96
Jackson	367	15	382	339	----	339	302	45,232	150	.67
Kalamazoo	248	48	296	320	----	320	416	35,281	85	1.18
Kalkaska	23	4	27	25	----	25	44	4,493	102	.98
Kent	848	26	874	1,002	----	1,002	919	84,600	92	1.09
Keweenaw	17	----	17	7	----	7	9	4,667	519	.19
Lake	55	----	55	39	----	39	40	7,539	188	.53
Lapeer	238	9	247	224	----	224	211	30,057	142	.70
Leelanaw	46	----	46	37	----	37	39	7,128	183	.55
Lenawee	505	27	532	514	2	516	463	49,584	107	.93
Livingston	124	3	127	171	----	171	168	21,568	128	.78
Luce	----	----	----	----	----	----	6	----	----	----
Mackinac	29	----	29	42	----	42	51	5,171	101	.99
Macomb	241	6	247	250	----	250	213	31,293	147	.68
Manistee	155	39	194	221	----	221	196	19,875	101	.99
Manitou	7	----	7	2	----	2	5	1,198	240	.42
Marquette	141	66	207	216	----	216	329	31,397	95	1.05
Mason	80	----	80	111	----	111	114	13,221	116	.86
Mecosta	204	12	216	187	----	187	157	20,597	131	.76
Menominee	157	2	159	200	----	200	244	19,120	78	1.28
Midland	85	7	92	84	----	84	69	8,776	127	.79
Missaukee	22	----	22	22	----	22	22	3,386	154	.65

a Organized since census was taken.

TABLE 43.—CONTINUED.—*Marriages, Corrected by Counties.*

Counties.	Marriages.							Population 1884, represented by marriages in 1887.	Number of Inhabitants in 1884 to one marriage in 1887.	Per cent of marriages in 1887 to population in 1884.
	1885.			1886.			1887.			
	Number as first returned and compiled.	Number returned since first compilation.	Number returned previous to June 27, 1888.	Number as first returned and compiled.	Number returned since first compilation.	Number returned previous to June 27, 1888.	Number returned.			
Monroe	333	19	352	361	.....	361	318	33,353	105	.95
Montcalm	297	7	304	308	1	309	249	35,356	142	.70
Montmorency	7	.....	7	6	.....	6	6	845	141	.71
Muskegon	303	8	311	314	.....	314	364	37,554	103	.97
Newaygo	111	31	142	150	.....	150	140	18,996	136	.74
Oakland	281	31	312	315	.....	315	325	41,100	126	.79
Oceana	112	1	113	106	.....	106	122	14,519	119	.84
Ogemaw	25	1	26	42	.....	42	38	3,637	96	1.04
Ontonagon	18	.....	18	34	.....	34	24	4,836	202	.50
Osceola	101	1	102	142	.....	142	142	14,001	99	1.01
Oscoda	11	.....	11	6	.....	6	25	1,374	55	1.82
Otsego	40	.....	40	23	.....	23	23	3,906	170	.59
Ottawa	275	15	290	300	.....	300	298	36,225	122	.82
Presque Isle	28	.....	28	20	.....	20	40	4,064	102	.98
Roscommon	13	.....	13	9	.....	9	12	2,588	216	.46
Saginaw	483	102	585	646	.....	646	636	74,795	118	.85
Sanilac	209	10	219	208	.....	208	201	29,583	147	.68
Schoolcraft	38	.....	38	39	.....	39	46	3,846	84	1.20
Shiawassee	227	1	228	212	.....	212	231	28,078	122	.82
St. Clair	382	33	415	397	.....	397	466	46,783	100	1.00
St. Joseph	344	9	353	338	.....	338	271	26,277	97	1.03
Tuscola	231	19	250	281	1	282	276	30,726	111	.90
Van Buren	267	11	278	286	.....	286	274	30,341	111	.90
Washtenaw	293	4	297	377	.....	377	332	41,894	126	.80
Wayne	1,506	36	1,542	1,781	.....	1,781	2,009	188,966	94	1.06
Wexford	100	1	101	111	.....	111	126	10,518	83	1.20

DIVORCES IN MICHIGAN.

In the following tabular exhibit is given the number of marriages in Michigan, the number of divorces and the ratio of divorces to marriages, for the years 1870–1886. These statistics of divorces in Michigan are taken from the Special Report on the Statistics of Marriage and Divorce, made to Congress by Carroll D. Wright, Commissioner of Labor, February, 1889.

Years.	Number of Marriages.	Number of Divorces.	Ratio of Divorces to Marriages.
1870	9,160	554	1 to 16.5
1871	10,181	630	1 to 16.2
1872	9,882	620	1 to 15.9
1873	10,574	705	1 to 15.0
1874	11,041	794	1 to 13.9
1875	11,055	864	1 to 12.8
1876	10,858	800	1 to 13.6
1877	11,009	927	1 to 11.9
1878	12,231	993	1 to 12.3
1879	13,225	1,110	1 to 11.9
1880	14,149	1,149	1 to 12.3
1881	14,847	1,313	1 to 11.3
1882	16,178	1,335	1 to 12.1
1883	16,420	1,383	1 to 11.9
1884	15,008	1,239	1 to 12.1
1885	15,016	1,227	1 to 12.2
1886	16,631	1,339	1 to 12.4
Average	12,791	999	1 to 12.8

If the above figures are true in regard to the number of divorces in Michigan, and in all probability they are as accurate as any that can be obtained, they show the remarkable fact that one divorce is granted in this State to every 12.8 marriages. It would be interesting to know the number granted for each county, the sexes in favor of whom divorces were granted, and also the causes for which they were given.

In Massachusetts, the ratio of divorces to marriages is one to 30; in New Hampshire in 1883, there was one divorce to every 12.8 marriages; in 1884, one to 10.4; in 1885, one to 10.9; and in 1886, one to 8.3 marriages.

DEATHS, 1887.

The number of deaths returned for the year 1887 was 19,482, which was an increase of 1,295 over the number reported in 1886, and an increase of 2,836 over the number reported in 1885. It was also greater by 3,317 than the average annual number for the ten years 1877-1886, and was the largest number returned in any year since the beginning of registration in the State.

The population, according to the State census of 1884, represented by the returns of deaths for 1887, was 1,846,656, and the ratio of deaths to population was 10.5 per 1,000.

Corrected for omissions in the enumeration the number of deaths occurring in 1887 was estimated at 27,251, and the death rate 14.8 to 1,000 inhabitants. Even this ratio bears a suspicion of being somewhat less than the true ratio when compared with that in other States having a system of registration. In Massachusetts, in 1887, the death-rate was 20.27 per thousand of the living population. In New Hampshire in 1886, the death-rate was 18.51 per thousand, and in Rhode Island the annual death-rate exceeds 16 in every thousand, while in England and most foreign countries the death-rate is even higher than that of Massachusetts.

The following tabular statement shows the death-rate in Michigan, both as regards the number returned and the number corrected for omissions in the enumeration.

	Inhabitants in 1884, Represented by Deaths in 1887.	Deaths as Returned.	Deaths Corrected for Omissions in Enumerating.	Per Cent of Deaths to Inhabitants.	
				Deaths as Returned.	Deaths Corrected for Omissions.
Totals	1,846,656	19,482	27,251	1.05	1.48

The following statistics, taken from the Registration Report of Massachusetts for 1887, show the death-rates in some of the foreign countries, and are introduced here for the sake of comparison.

England and Wales	21.9	per 1,000
Scotland	21.9	"
Ireland	17.5	"
Sweden	19.2	"
Austria	31.1	"
France	23.6	"
Switzerland	23.6	"
Norway	16.9	"

The average number of deaths for certain specified periods of time during the year 1887, as returned and as corrected for omissions in enumerating, including those in unknown months, was as follows :

Perids of Time.	Deaths as Returned.	Corrected for Omissions.
Per quarter	4,871	6,813
Per month	1,622	2,271
Per week	375	524
Per day	53	75

The number and proportion of deaths in each quarter for the years 1885, 1886, 1887, and the average for ten years, 1877–1886, may be seen in Table 44. It will be noticed that the year 1887 corresponds quite accurately with the average, the greatest difference being in the last quarter. As is usually the case, the largest mortality in 1887 occurred in the quarter of the year ending with September, and the least number in the quarter ending with March. The order is as follows, beginning with the greatest: Third, fourth, second, first, not only for 1887, but also for the average of the ten years.

When the returns of deaths are corrected for omissions, as seen in the lower part of the table, the third quarter still has the largest number, both for the year 1887, and the average for ten years.

TABLE 44.—*Deaths in Michigan by Quarters of the year, Exhibiting the Number and Per Cent of Total as returned and as corrected for the years 1885–1887, and the Average for Ten Years 1877–1886.*

	Totals and Months with which Quarters end.	1885.		1886.		1887.		Average for 10 Years 1877-1886.	
		Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.
	Totals	16,646	100.00	18,187	100.00	19,482	100.00	16,165	100.00
As Returned.	March	3,819	22.94	3,620	19.90	4,058	20.83	3,275	20.26
	June	3,945	23.70	4,053	22.28	4,476	22.98	3,680	22.77
	September	4,408	26.48	5,237	28.80	5,886	30.21	4,708	29.09
	December	4,418	26.54	5,217	28.69	4,996	25.64	4,454	27.55
	Unknown	56	.34	60	.33	66	.34	53	.33
	Average a	4,162	25.00	4,547	25.00	4,871	25.00	4,041	25.00
	Totals	22,704	100.00	25,210	100.00	27,251	100.00	23,543	100.00
As Corrected for Omissions.	March	5,844	25.74	5,717	22.68	6,443	23.64	5,494	23.34
	June	5,637	24.83	5,949	23.60	6,597	24.21	5,704	24.23
	September	5,810	25.59	7,053	27.97	7,971	29.25	6,618	28.11
	December	5,357	23.59	6,431	25.51	6,174	22.66	5,674	24.10
	Unknown	56	.25	60	.24	66	.24	53	.22
	Average a	5,676	25.00	6,308	25.00	6,813	25.00	5,886	25.00

a Including deaths in unknown month.

The mortality in Michigan by months, for the years 1885, 1886, 1887, and the average for ten years 1877–1886, may be found in Table 45. August is usually the month having the largest number of deaths, as in 1887 and the average for ten years, but in 1885 December had the largest number and in 1886 September. January stands at the foot of the list throughout the table. The excess of August over January was 806 in 1887, or 4.14 per cent. In the ten-year average the excess of greatest over the least month was 724, or 4.48 per cent.

TABLE 45.—*Exhibiting, by Months, the Number and Per Cent of Deaths Returned for the Years 1885, 1886, 1887, and the Average for Ten Years 1877–1886, the Months in order of greatest first.*

Order.	1885.			1886.			1887.			Average for 10 Years, 1877–1886.		
	Year and Months.	Number.	Per Cent of Total.	Year and Months.	Number.	Per Cent of Total.	Year and Months.	Number.	Per Cent of Total.	Year and Months.	Number.	Per Cent of Total.
	Year ..	16,646	100.00	Year ..	18,187	100.00	Year ..	19,482	100.00	Year ..	16,165	100.00
1	Dec....	1,564	9.40	Sept. ..	1,889	10.39	Aug. ..	2,055	10.55	Aug. ..	1,689	10.45
2	Sept. ..	1,559	9.37	Aug....	1,887	10.37	Sept. ..	1,916	9.83	Sept. ..	1,661	10.27
3	Oct.....	1,492	8.96	Dec....	1,841	10.12	July...	1,915	9.83	Dec....	1,560	9.65
4	Aug....	1,486	8.93	Oct. ...	1,761	9.68	Dec....	1,743	8.95	Oct.....	1,501	9.29
5	April..	1,474	8.85	Nov....	1,615	8.88	Oct. ...	1,699	8.72	Nov....	1,398	8.62
6	March.	1,421	8.54	March.	1,462	8.04	April..	1,599	8.21	July...	1,353	8.37
7	July...	1,363	8.19	July ..	1,461	8.03	Nov....	1,554	7.98	April..	1,296	8.02
8	Nov....	1,369	8.18	April..	1,396	7.68	March.	1,535	7.87	May...	1,263	7.81
9	May...	1,286	7.72	May...	1,376	7.57	May...	1,472	7.56	March.	1,255	7.76
10	Feb....	1,267	7.61	June...	1,281	7.04	June...	1,405	7.21	June...	1,121	6.93
11	June...	1,185	7.12	Feb....	1,093	6.01	Feb....	1,274	6.54	Feb....	1,055	6.53
12	Jan....	1,131	6.79	Jan....	1,065	5.86	Jan....	1,249	6.41	Jan....	965	5.97
	Unk...	56	.34	Unk. .	60	.33	Unk...	66	.34	Unk...	53	.33
	Av.....	1,387	8.33	Av.	1,516	8.33	Av.....	1,624	8.33	Av.....	1,347	8.33

SEX OF DECEDENTS.

Table 46 shows the number and proportion of the sexes among the decedents in Michigan for the fourteen years, 1874–1887, and the average for these years. During the year 1887 there were returned 10,568 males and 8,877 females, there being 119 males to each 100 females, or 54 males and 46 females in each 100 decedents. It will be noticed that each year the male decedents exceed the female decedents, the average for the fourteen years being 115 males to 100 females. This disparity is largely due to the excess of males in the population, for, by computing the death-rate, by sex, there appears but little difference. The death-rate in 1887 among males was 10.9 per 1,000, and that of females was 10.1 per 1,000.

TABLE 46.—*Number and per cent of deaths of Males and of Females returned in Michigan for the years 1874–1887. (Unknown sex excluded.)*

Years.	Deaths of males, as returned.	Deaths of females, as returned.	Deaths of males to 100 deaths of females.	Per Cent of each Sex to Total of both Sexes.			
				Males.	Females.	Excess of the Sexes.	
						Males.	Females.
1874	6,665	5,804	114.8	53.45	46.55	6.90	.....
1875	6,448	5,484	117.6	54.04	45.96	8.08	.....
1876	6,756	5,761	117.3	53.97	46.03	7.94	.....
1877	6,827	6,040	113.0	53.06	46.94	6.12	.....
1878	6,632	6,082	109.0	52.16	47.84	4.32	.....
1879	7,522	6,848	109.8	52.34	47.66	4.68	.....
1880	8,645	7,410	116.7	53.85	46.15	7.70	.....
1881	10,263	8,910	115.2	53.53	46.47	7.06	.....
1882	8,713	7,664	113.7	53.20	46.80	6.40	.....
1883	9,101	7,748	117.5	54.02	45.98	8.04	.....
1884	9,589	8,385	114.4	53.35	46.65	6.70	.....
1885	9,025	7,569	119.2	54.39	45.61	8.78	.....
1886	9,725	8,402	115.7	53.65	46.35	7.30	.....
1887	10,563	8,877	119.0	54.34	45.66	8.68	.....
Average	8,320	7,213	115.3	53.56	46.44	7.12	.....

OMISSIONS IN THE ENUMERATION OF DEATHS.

The usual method of correcting the returns of deaths for omissions in the enumeration was employed for the year 1887. It is found that the omissions bear a direct relation to the time between the occurrence of the deaths and their enumeration, and that the per cent to be added to each month should be more or less as the time is longer or shorter. Adding this per cent, it makes the estimated number of deaths, for 1887, 27,251. The order of the months in table 47 is changed from that of table 45 because the additions for omissions are thus graded.

TABLE 47.—*Exhibiting, by months, the number and per cent of deaths, as corrected for omissions in the enumeration, for the years 1885-1887, and the average for ten years, 1877-1886. Months arranged in order by number, greatest first*

Order.	1885.			1886.			1887.			Average for Ten Years, 1877-1886.		
	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.
	Totals.	22,704	100.00	Totals.	25,310	100.00	Totals.	27,251	100.00	Totals.	23,543	100.00
1	Apr....	2,155	9.49	Aug....	2,547	10.10	Aug....	2,783	10.21	Aug....	2,380	10.11
2	Mar....	2,128	9.37	Sept....	2,477	9.82	July....	2,669	9.79	Sept....	2,266	9.63
3	Sept....	2,002	8.82	Mar....	2,258	8.96	Sept....	2,519	9.24	Apr....	2,063	8.76
4	Aug....	1,961	8.64	Oct	2,240	8.89	Apr....	2,417	8.87	Mar....	2,054	8.72
5	Feb....	1,942	8.55	Dec....	2,199	8.72	Mar....	2,381	8.74	Oct....	1,980	8.41
6	Oct....	1,863	8.20	Apr....	2,102	8.34	May....	2,167	7.95	July....	1,972	8.38
7	July	1,847	8.14	July....	2,029	8.05	Oct....	2,167	7.95	May....	1,957	8.31
8	Dec....	1,842	8.11	May....	2,018	8.00	Dec....	2,086	7.66	Dec....	1,917	8.14
9	May....	1,834	8.08	Nov....	1,992	7.90	Jan....	2,036	7.47	Nov....	1,777	7.55
10	Jan....	1,774	7.81	June....	1,829	7.25	Feb....	2,026	7.44	Feb....	1,776	7.54
11	Nov....	1,653	7.28	Feb....	1,731	6.87	June....	2,013	7.39	June....	1,684	7.15
12	June....	1,648	7.26	Jan....	1,728	6.86	Nov....	1,921	7.05	Jan....	1,664	7.07
	Unk....	56	.25	Unk....	60	.24	Unk....	66	.24	Unk....	53	.23
	Av. a....	1,892	8.33	Av.a....	2,101	8.33	Av.a....	2,271	8.33	Av.a....	1,962	8.33

a Including deaths in unknown month.

AGES OF PERSONS WHO DIED IN MICHIGAN IN 1887.

Table 48 contains some important evidence concerning the proportion of deaths at different ages and periods of life. As may be seen, about a fourth of all the deaths in 1887 were those of children under one year of age, and more than a third of the entire mortality occurred among children under five years of age. As compared with the year 1886 and the average in Table 49, the percentage of deaths under one in 1887 was less than in 1886 and about the same as the average. The percentage of deaths under 5 was less than that of 1886 and also less than the average.

In Massachusetts the percentage of deaths under one year of age in 1887 was only 20.89, and that of deaths under 5 was 32.26. Michigan seems to have a greater infant mortality than Massachusetts, but the reason for this difference is not as yet apparent.

The percentage of deaths between 20 and 30 was about the same as in 1886 and the average. The percentage of all other deaths was greater than that of 1886 and greater than the average.

It is quite interesting to note the excess among males and females at different ages. The large excess among males up to ages under 10 is quite noticeable, and from 15 to 40 the proportion of deaths was greater among females. At other periods of life the excess is among the males, and as this is true each year it becomes an important fact.

TABLE 48.—*Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons returned as having Died in Michigan during the Year 1887.*

Ages in Years and Periods.	Number of Deaths, 1887.				Per Cent of Deaths at each Age to Total at all Ages.			Per Cent of each Sex to Total of Both Sexes.				Excess of the Sexes by Number.		Males to 100 Females.
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	
All ages	19,482	10,563	8,877	42	100.00	100.00	100.00	54.34	45.66	8.68	.....	1,686	....	118.99
Under 1	4,947	2,750	2,158	39	25.39	26.03	24.31	56.03	43.97	12.06	.....	592	....	127.43
1 to 2	1,082	622	460	....	5.56	5.89	5.18	57.48	42.51	14.97	.....	162	....	135.21
2 to 3	546	290	256	....	2.80	2.74	2.89	53.11	46.89	6.22	.....	34	....	113.28
3 to 4	465	249	216	....	2.39	2.36	2.43	53.55	46.45	7.10	.....	33	....	115.27
4 to 5	351	196	155	....	1.80	1.86	1.75	55.84	44.16	11.68	.....	41	....	126.45
All under 5	7,391	4,107	3,245	39	37.94	38.88	36.56	55.86	44.14	11.72	.....	862	....	126.56
5 to 10	934	487	447	....	4.79	4.61	5.04	52.14	47.86	4.28	.....	40	....	108.95
10 to 15	542	270	272	....	2.78	2.56	3.06	49.82	50.18	.....	.36	.....	2	99.26
15 to 20	775	365	410	....	3.98	3.46	4.62	47.10	52.90	.....	5.80	.....	45	89.02
20 to 25	891	408	483	....	4.57	3.86	5.44	45.79	54.21	.....	8.42	.....	75	84.47
25 to 30	832	442	390	....	4.27	4.18	4.39	53.12	46.87	6.25	.....	52	....	113 33
30 to 35	678	319	359	....	3.48	3.02	4.04	47.05	52.95	.....	5.90	.....	40	88.86
35 to 40	667	333	334	....	3.42	3.15	3.76	49.93	50.07	.....	.14	.....	1	99.70
40 to 45	552	287	265	....	2.83	2.72	2.99	51.99	48.01	3.98	.....	22	....	108.30
45 to 50	563	305	258	....	2.89	2.89	2.91	54.17	45.83	8.34	.....	47	....	118.22
50 to 55	615	334	281	....	3.16	3.16	3.17	54.31	45.69	8.62	.....	53	....	118.86
55 to 60	642	361	281	....	3.30	3.42	3.17	56.23	43.77	12.46	.....	80	....	128.25
60 to 65	727	436	291	....	3.73	4.13	3.28	59.97	40.03	19.94	.....	145	....	149.83
65 to 70	851	518	333	....	4.37	4.90	3.75	60.87	39.13	21.74	.....	185	....	155.56
70 to 75	799	441	358	....	4.10	4.18	4.03	55.19	44.81	10.38	.....	83	....	123.18
75 to 80	781	406	375	....	4.01	3.84	4.22	51.98	48.02	3.96	.....	31	....	108.27
80 to 85	539	314	225	....	2.77	2.97	2.53	58.26	41.74	16.52	.....	89	....	139.56
85 to 90	313	192	121	....	1.61	1.82	1.36	61.34	38.66	22.68	.....	71	....	158.68
90 to 95	75	44	31	....	.38	.42	.35	58.67	41.33	17.34	.....	13	....	141.94
95 to 100	19	12	7	....	.10	.11	.08	63.16	36.84	26.32	.....	5	....	171.42
100 and over	5	3	2	....	.03	.03	.02	60.00	40.00	20.00	.....	1	....	150.00
Unknown ages	291	179	109	3	1.49	1.69	1.23	62.15	37 85	24.30	.....	70	....	164.22

TABLE 49.—*Exhibiting the Per Cent of Deaths at Different Ages, for the Years 1876-1887, and Average for the Twelve Years.*

Years.	Under 1 Year.	Under 5 Years.	20 to 30.	All others.
1876	27.24	40.72	8.58	50.70
1877	26.11	40.30	8.68	51.02
1878	25.22	39.22	8.43	52.35
1879	24.68	39.52	8.23	52 25
1880	24.66	39.95	7.96	52.09
1881	24.20	40.63	9.00	50.37
1882	24.98	38.81	8.72	52.47
1883	24.83	38.26	9.37	52.37
1884	27.22	40.05	9.08	50.87
1885	26.10	37.61	8.95	53.44
1886	26.22	38.79	8.50	52 41
1887	25.39	37.94	8.84	53.22
Average	25 52	39.32	8.72	51.96

In the following tabular exhibit is given the number of deaths under 1, under 5, 20 to 30, and all others, and also the population at these ages. It is seen that the death-rate is largest for those under 1 year of age, being more than three times greater than those under 5. By removing the decimal point one place to the right, it gives the death-rate per thousand.

	Under 1 year.	Under 5 years.	20 to 30.	All others.
Deaths, 1887	4,947	7,391	1,723	10,368
Population, 1884	49,574	225,973	353,394	1,274,291
Per cent of deaths to population	9.98	3.27	.49	.81

DEATHS BY MONTHS AT DIFFERENT AGES.

The influence of seasons and age upon mortality may be studied in Table 50. The evidence set forth in this table for 1887 is that of all who died under one year of age the largest proportion (13.11 per cent) occurred in the month of August, and that the proportion of decedents under one year of age to decedents at all ages was greater (33.37) in July than in any other month of the year. The same is also true of decedents under five years of age. The midsummer season has always been unfavorable to life, and especially is this true among children.

The deaths of children between the ages of 5 and 10 years show the largest proportion for the months of September, October and November; of persons between the ages of 10 and 20, the largest proportion was in the months of September and October; of those between the ages of 20 to 50 the largest proportion was in September, but for those 50 and over, the largest proportion was in December.

The teaching of this table each year has been that July and August are the months of greatest danger to children under five years of age, and that to older children and adults the fall and winter months are more dangerous to life.

Tables 51 and 52 continue the subject of deaths by ages, and permit of its study by sex and by months.

TABLE 50.—*The relation of the Deaths at different Periods of Age to Deaths at All Ages, by Months; and for the same Period of Age, the relation of the Deaths in each Month to the Deaths in the Year 1887.*

Deaths by Ages in Periods of Years.		Year, 1887. a	Months, 1887.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
All ages		19,416	1,249	1,274	1,535	1,599	1,472	1,405	1,915	2,055	1,916	1,699	1,554	1,743
Under 1	Number	4,934	270	311	390	399	323	333	639	647	507	392	320	403
	Per cent of all ages	25.41	21.62	24.41	25.41	24.89	21.94	23.70	33.37	31.48	26.46	23.07	20.59	23.12
	Per cent of deaths, 1887	100.00	5.47	6.30	7.90	8.09	6.55	6.75	12.95	13.11	10.28	7.94	6.49	8.17
All under 5	Number	7,373	470	476	549	585	501	502	893	936	755	616	486	604
	Per cent of all ages	37.97	37.63	37.36	35.77	36.59	34.03	35.73	46.63	45.55	39.40	36.26	31.27	34.65
	Per cent of deaths, 1887	100.00	6.37	6.46	7.45	7.93	6.80	6.81	12.11	12.70	10.24	8.35	6.59	8.19
5 to 10	Number	930	82	58	68	51	65	72	73	86	98	94	96	87
	Per cent of all ages	4.79	6.57	4.55	4.43	3.19	4.41	5.12	3.81	4.18	5.11	5.53	6.18	4.99
	Per cent of deaths, 1887	100.00	8.82	6.24	7.31	5.48	6.99	7.74	7.85	9.25	10.54	10.11	10.32	9.35
10 to 20	Number	1,317	73	76	98	90	86	100	123	121	156	151	124	119
	Per cent of all ages	6.78	5.84	5.97	6.38	5.63	5.84	7.12	6.42	5.89	8.14	8.89	7.98	6.83
	Per cent of deaths, 1887	100.00	5.54	5.77	7.44	6.83	6.53	7.59	9.34	9.19	11.85	11.46	9.42	9.04
20 to 50	Number	4,176	252	249	353	379	348	320	342	394	398	381	372	388
	Per cent of all ages	21.51	20.18	19.54	22.99	23.70	23.64	22.78	17.86	19.17	20.77	22.42	23.93	22.26
	Per cent of deaths, 1887	100.00	6.04	5.96	8.45	9.08	8.33	7.66	8.19	9 44	9.53	9.12	8.91	9.29
50 and over	Number	5,347	349	403	447	481	443	382	453	490	482	434	459	524
	Per cent of all ages	27.54	27.94	31.63	29.12	30.08	30.09	27.19	23.65	23.84	25.15	25.54	29.53	30.06
	Per cent of deaths, 1887	100.00	6.53	7.54	8 36	9.00	8.29	7.14	8.47	9.16	9.01	8.12	8.58	9.80
Unknown ages	Number	273	23	12	20	13	29	29	31	28	27	23	17	21
	Per cent of all ages	1.40	1.84	.96	1.30	.81	1.97	2.06	1.61	1.36	1.41	1.35	1.09	1.20
	Per cent of Deaths, 1887	100.00	8.42	4.40	7.33	4.76	10.62	10.62	11.36	10.26	9.89	8.42	6.23	7.69

a Excluding unknown month.

TABLE 51.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year 1887.*

Ages in Periods of Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
All ages.....	Totals.....	19,482	1249	1274	1535	1599	1472	1405	1915	2055	1916	1699	1554	1743	66
	Males.....	10,563	693	682	791	853	816	803	1004	1128	1060	907	856	938	33
	Females...	8,877	554	591	739	742	651	602	905	922	855	789	694	800	33
	Unknown.	42	2	1	5	4	5	.....	6	5	1	3	4	5	1
Under 1.....	Totals.....	4,947	270	311	390	399	323	333	639	647	507	392	320	403	13
	Males.....	2,750	161	174	188	238	191	193	350	347	271	218	187	229	3
	Females...	2,158	107	136	197	157	128	140	284	295	235	171	129	170	9
	Unknown.	39	2	1	5	4	4	.....	5	5	1	3	4	4	1
All under 5...	Totals.....	7,391	470	476	549	585	501	502	893	936	755	616	486	604	18
	Males.....	4,107	273	273	284	338	290	279	479	508	413	338	284	343	5
	Females...	3,245	195	202	260	243	207	223	409	423	341	275	198	257	12
	Unknown.	39	2	1	5	4	4	.....	5	5	1	3	4	4	1
5 to 10.....	Totals.....	934	82	58	68	51	65	72	73	86	98	94	96	87	4
	Males.....	487	39	31	31	20	34	46	35	46	60	47	48	48	2
	Females...	447	43	27	37	31	31	26	38	40	38	47	48	39	2
10 to 15.....	Totals.....	542	40	28	37	29	29	42	51	56	56	65	56	53	...
	Males.....	270	17	8	20	10	16	27	30	32	31	30	20	29	..
	Females...	272	23	20	17	19	13	15	21	24	25	35	36	24	...
15 to 20.....	Totals.....	775	33	48	61	61	57	58	72	65	100	86	68	66	...
	Males.....	365	12	18	27	28	23	34	32	33	49	40	36	33	...
	Females...	410	21	30	34	33	34	24	40	32	51	46	32	33	...
20 to 25.....	Totals.....	891	45	52	73	82	59	69	64	84	99	98	86	79	1
	Males.....	408	22	22	36	32	26	30	27	43	46	52	38	33	1
	Females...	483	23	30	37	50	33	39	37	41	53	46	48	46	...
25 to 30.....	Totals.....	832	55	49	73	80	69	51	78	78	87	73	74	63	2
	Males.....	442	30	26	41	34	38	26	48	40	44	45	42	27	1
	Females...	390	25	23	32	46	31	25	30	38	43	28	32	36	1
30 to 35.....	Totals.....	678	38	49	63	58	56	54	50	74	61	62	55	57	1
	Males.....	319	18	28	28	33	22	30	19	38	24	29	28	22	...
	Females...	359	20	21	35	25	34	24	31	36	37	33	27	35	1

TABLE 51.—CONTINUED.—*Deaths by Periods of Age, by Sex, by Months.*

Ages in Periods of Years.	Sex.	Year, 1887.	Months, 1887.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
35 to 40	Totals	667	43	27	61	56	59	46	59	63	66	61	52	74	---
	Males	333	24	12	32	28	32	19	26	30	38	33	20	39	---
	Females	334	19	15	29	28	27	27	33	33	28	28	32	35	---
40 to 45	Totals	552	33	38	50	45	46	47	49	48	40	41	57	58	---
	Males	287	21	14	22	22	26	25	21	31	22	20	29	34	---
	Females	265	12	24	28	23	20	22	28	17	18	21	28	24	---
45 to 50	Totals	563	38	34	33	58	59	53	42	47	45	46	48	57	3
	Males	305	21	21	19	36	34	31	14	27	28	24	28	31	1
	Females	258	17	13	14	32	25	22	28	20	17	22	20	26	2
50 to 55	Totals	615	37	47	49	50	56	44	40	47	58	65	56	64	2
	Males	334	23	33	20	30	26	28	4	27	26	32	30	35	---
	Females	281	14	14	29	20	30	16	16	20	32	33	26	29	2
55 to 60	Totals	642	51	49	51	52	51	45	66	48	46	52	58	71	2
	Males	361	32	31	30	25	25	31	35	24	33	28	29	37	1
	Females	281	19	18	21	27	26	14	31	24	18	24	29	34	1
60 to 65	Totals	727	50	51	65	70	62	65	50	68	60	57	67	57	5
	Males	436	27	31	36	43	36	36	27	41	43	34	43	34	5
	Females	291	23	20	29	27	26	29	23	27	17	23	24	23	---
65 to 70	Totals	851	56	64	69	80	66	72	73	92	67	69	52	89	2
	Males	518	34	35	43	45	44	44	43	50	41	44	39	54	2
	Females	333	22	29	26	35	22	28	30	42	26	25	13	35	---
70 to 75	Totals	799	54	56	67	76	65	44	74	70	93	54	62	79	5
	Males	441	27	24	32	41	42	26	43	42	57	24	36	45	2
	Females	358	27	32	35	35	23	18	31	28	36	30	26	34	3
75 to 80	Totals	781	35	66	64	68	61	53	62	77	77	56	77	85	---
	Males	406	16	30	30	37	34	31	26	47	37	32	41	45	---
	Females	375	19	36	34	31	27	22	36	30	40	24	36	40	---
80 to 85	Totals	539	40	25	42	49	40	35	51	58	50	43	43	51	2
	Males	314	22	20	23	29	24	23	31	34	31	25	26	25	1
	Females	225	18	15	19	20	16	12	20	24	19	18	17	26	1
85 to 90	Totals	313	20	27	27	26	36	20	25	21	21	31	35	23	1
	Males	192	12	14	17	20	23	17	15	12	14	14	21	12	1
	Females	121	8	13	10	6	13	3	10	9	7	17	14	11	---
90 to 95	Totals	75	6	5	8	8	6	4	12	7	6	4	5	4	---
	Males	44	6	4	6	3	3	1	8	4	3	3	1	2	---
	Females	31	----	1	2	5	3	3	4	3	3	1	4	2	---

TABLE 51.—CONTINUED.—*Deaths by Periods of Age, by Sex, by Months.*

Ages in Periods of Years.	Sex.	Year, 1887.	Months, 1887.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
95 to 100	Totals	19	.....	2	3	2	.....	.....	.....	1	4	3	3	1	...
	Males	12	.....	1	3	1	.....	.....	.....	.....	3	1	3	.....	...
	Females	7	.....	1	.....	1	.....	.....	.....	1	1	2	.....	1	...
100 and over	Totals	5	.....	1	2	.....	.....	.....	.....	1	.....	.....	1	.....	...
	Males	3	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	...
	Females	2	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	...
Unknown	Totals	291	23	12	20	13	29	29	31	28	27	23	17	21	18
	Males	179	17	5	10	8	18	19	21	19	17	12	13	10	10
	Females	109	6	7	10	5	10	10	9	9	10	11	4	10	8
	Unknown	3	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	...

TABLE 52.—*Exhibiting, by Sex and by Months, the Number returned as having Died in Michigan during the Year 1887 at each and every Age, the Age stated in Twelfths of a Year for those under One Year, and in Years for those over One Year of Age.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Under 1-12	Totals	2,199	131	161	206	224	166	148	216	199	170	178	181	211	8
	Males	1,261	76	105	102	139	100	93	113	106	92	103	107	123	2
	Females	900	53	55	99	81	62	55	98	89	77	72	70	84	5
	Unknown	38	2	1	5	4	4	.....	5	4	1	3	4	4	1
1-12	Totals	426	16	31	42	32	13	26	39	68	58	36	26	37	2
	Males	246	11	14	22	22	9	17	23	42	32	19	14	20	1
	Females	180	5	17	20	10	4	9	16	26	26	17	12	17	1
2-12	Totals	369	19	19	35	25	25	29	47	60	43	28	15	24	...
	Males	202	11	4	13	15	15	17	27	33	24	19	10	14	...
	Females	167	8	15	22	10	10	12	20	27	19	9	5	10	...
3-12	Totals	318	12	21	14	16	21	31	54	54	42	23	16	13	1
	Males	151	8	12	4	7	11	14	29	21	21	10	8	6	...
	Females	167	4	9	10	9	10	17	25	33	21	13	8	7	1
4-12	Totals	267	19	13	8	13	12	17	59	47	31	13	17	17	1
	Males	153	10	6	4	7	4	10	32	34	14	10	10	12	...
	Females	114	9	7	4	6	8	7	27	13	17	3	7	5	1
5-12	Totals	254	14	13	13	8	12	17	51	37	35	23	8	23	...
	Males	126	7	6	8	5	5	8	24	14	18	12	4	15	...
	Females	128	7	7	5	3	7	9	27	23	17	11	4	8	...
6-12	Totals	261	13	16	14	16	14	12	43	35	32	29	15	21	1
	Males	143	11	7	8	6	10	7	24	14	19	13	10	14	...
	Females	118	2	9	6	10	4	5	19	21	13	16	5	7	1
7-12	Totals	217	10	7	12	15	14	14	30	44	22	19	14	16	...
	Males	119	4	5	9	6	9	9	13	24	15	9	8	8	...
	Females	98	6	2	3	9	5	5	17	20	7	10	6	8	...
8-12	Totals	166	12	9	11	11	11	6	22	26	28	13	6	11	...
	Males	85	5	5	3	7	7	2	14	18	12	9	2	1	...
	Females	81	7	4	8	4	4	4	8	8	16	4	4	10	...
9-12	Totals	182	12	6	15	12	19	14	24	25	18	14	12	11	...
	Males	97	9	3	4	7	10	7	14	12	11	6	8	6	...
	Females	85	3	3	11	5	9	7	10	13	7	8	4	5	...

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
10-12	Totals	145	7	12	9	12	10	8	30	22	15	4	5	11	...
	Males	81	5	7	3	6	7	2	17	13	7	4	5	5	...
	Females	63	2	5	6	6	3	6	13	8	8	.....	.....	6	...
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	...
11-12	Totals	143	5	3	11	15	6	11	24	30	13	12	5	8	...
	Males	86	4	.....	8	11	4	7	20	16	6	4	1	5	...
	Females	57	1	3	3	4	2	4	4	14	7	8	4	3	...
1	Totals	1,082	92	69	78	74	68	82	129	152	122	82	61	72	1
	Males	622	57	43	51	41	40	33	71	92	77	51	30	36	...
	Females	460	35	26	27	33	28	49	58	60	45	31	31	36	1
2	Totals	546	41	38	27	48	41	36	60	55	54	57	44	43	2
	Males	290	20	25	14	26	21	21	30	21	28	29	27	27	1
	Females	256	21	13	13	22	20	15	30	34	26	28	17	16	1
3	Totals	465	36	31	38	34	41	25	37	56	40	42	35	49	1
	Males	249	19	15	22	19	25	15	16	34	20	15	21	28	...
	Females	216	17	16	16	15	16	10	21	22	20	27	14	21	1
4	Totals	351	31	27	16	30	28	26	28	26	32	43	26	37	1
	Males	196	16	16	9	14	13	17	12	14	17	25	19	23	1
	Females	155	15	11	7	16	15	9	16	12	15	18	7	14	...
5	Totals	247	21	20	25	12	16	17	27	14	26	17	29	23	...
	Males	128	8	9	10	5	10	10	13	7	15	9	18	14	...
	Females	119	13	11	15	7	6	7	14	7	11	8	11	9	...
6	Totals	214	13	12	15	13	17	19	7	25	24	21	24	23	1
	Males	127	9	8	7	4	13	14	3	14	19	13	11	12	...
	Females	87	4	4	8	9	4	5	4	11	5	8	13	11	1
7	Totals	196	21	14	12	13	11	12	17	14	22	28	17	15	...
	Males	99	11	8	7	5	4	7	8	7	12	11	10	9	...
	Females	97	10	6	5	8	7	5	9	7	10	17	7	6	...
8	Totals	138	14	6	8	8	13	12	11	13	10	13	15	13	2
	Males	74	7	2	4	4	6	8	4	7	7	10	5	9	1
	Females	64	7	4	4	4	7	4	7	6	3	3	10	4	1
9	Totals	139	13	6	8	5	8	12	11	20	16	15	11	13	1
	Males	59	4	4	3	2	1	7	7	11	7	4	4	4	1
	Females	80	9	2	5	3	7	5	4	9	9	11	7	9	...

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
10	Totals	109	8	7	6	6	5	11	8	16	9	12	11	10	---
	Males	59	5	2	4	3	3	7	6	11	3	3	5	7	---
	Females	50	3	5	2	3	2	4	2	5	6	9	6	3	---
11	Totals	122	10	5	9	4	7	6	11	8	15	17	15	15	---
	Males	57	4	2	5	-----	4	4	6	3	7	8	5	9	---
	Females	65	6	3	4	4	3	2	5	5	8	9	10	6	---
12	Totals	106	9	5	8	7	8	7	13	7	11	15	11	5	---
	Males	53	3	2	4	4	1	6	7	2	11	6	6	1	---
	Females	53	6	3	4	3	7	1	6	5	-----	9	5	4	---
13	Totals	99	7	6	6	10	5	4	13	10	4	12	12	10	---
	Males	44	2	1	3	2	4	3	9	3	2	9	4	2	---
	Females	55	5	5	3	8	1	1	4	7	2	3	8	8	---
14	Totals	106	6	5	8	2	4	14	6	15	17	9	7	13	---
	Males	57	3	1	4	1	4	7	2	13	8	4	-----	10	---
	Females	49	3	4	4	1	-----	7	4	2	9	5	7	3	---
15	Totals	122	4	7	11	13	14	8	10	7	13	14	12	9	---
	Males	50	-----	-----	4	6	5	4	5	2	7	5	7	5	---
	Females	72	4	7	7	7	9	4	5	5	6	9	5	4	---
16	Totals	143	7	7	13	10	5	12	10	15	14	17	16	17	---
	Males	69	4	4	6	4	2	6	4	10	4	6	9	10	---
	Females	74	3	3	7	6	3	6	6	5	10	11	7	7	---
17	Totals	158	9	14	10	10	15	11	14	12	27	16	10	10	---
	Males	71	1	6	4	4	7	8	2	6	14	7	6	6	---
	Females	87	8	8	6	6	8	3	12	6	13	9	4	4	---
18	Totals	163	6	11	13	7	11	15	13	17	22	19	13	16	---
	Males	68	3	4	5	6	3	8	3	6	11	9	4	6	---
	Females	95	3	7	8	1	8	7	10	11	11	10	9	10	---
19	Totals	189	7	9	14	21	12	12	25	14	24	20	17	14	---
	Males	107	4	4	8	8	6	8	18	9	13	13	10	6	---
	Females	82	3	5	6	13	6	4	7	5	11	7	7	8	---
20	Totals	195	6	7	14	13	13	18	16	23	30	21	18	15	1
	Males	84	3	2	4	5	6	9	7	9	14	12	4	8	1
	Females	111	3	5	10	8	7	9	9	14	16	9	14	7	---
21	Totals	175	7	11	15	16	12	13	16	21	14	20	12	18	---
	Males	84	3	5	6	9	6	7	5	13	10	8	6	6	---
	Females	91	4	6	9	7	6	6	11	8	4	12	6	12	---

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Totals	177	13	16	12	18	11	10	11	17	20	16	17	16	...
22	Males	78	6	8	5	6	3	6	3	9	10	10	6	6	...
	Females	99	7	8	7	12	8	4	8	8	10	6	11	10	...
	Totals	163	10	12	13	14	12	13	7	9	17	20	23	13	...
23	Males	77	4	5	11	5	4	4	3	3	8	10	12	8	...
	Females	86	6	7	2	9	8	9	4	6	9	10	11	5	...
	Totals	181	9	6	19	21	11	15	14	14	18	21	16	17	...
24	Males	85	6	2	10	7	7	4	9	9	4	12	10	5	...
	Females	96	3	4	9	14	4	11	5	5	14	9	6	12	...
	Totals	167	11	13	13	17	14	15	10	12	16	9	17	18	2
25	Males	85	7	5	7	6	9	8	6	6	8	6	9	7	1
	Females	82	4	8	6	11	5	7	4	6	8	3	8	11	1
	Totals	194	11	12	17	18	10	12	24	25	13	22	16	14	...
26	Males	109	7	7	10	8	4	8	15	14	5	13	9	9	...
	Females	85	4	5	7	10	6	4	9	11	8	9	7	5	...
	Totals	167	16	10	14	13	14	9	18	15	20	17	8	13	...
27	Males	93	7	7	8	5	10	4	13	6	12	10	5	6	...
	Females	74	9	3	6	8	4	5	5	9	8	7	3	7	...
	Totals	173	8	10	16	18	20	9	14	13	23	13	16	13	...
28	Males	95	4	5	9	10	11	4	9	6	13	8	12	4	...
	Females	78	4	5	7	8	9	5	5	7	10	5	4	9	..
	Totals	131	9	4	13	14	11	6	12	13	15	12	17	5	...
29	Males	60	5	2	7	5	4	2	5	8	6	8	7	1	...
	Females	71	4	2	6	9	7	4	7	5	9	4	10	4	...
	Totals	170	6	15	15	18	17	12	17	14	15	15	14	12	...
30	Males	92	4	9	5	12	8	10	10	9	6	8	8	3	...
	Females	78	2	6	10	6	9	2	7	5	9	7	6	9	...
	Totals	114	6	6	11	12	10	7	8	10	8	15	9	12	...
31	Males	55	2	5	3	7	7	3	4	2	5	7	4	6	...
	Females	59	4	1	8	5	3	4	4	8	3	8	5	6	...
	Totals	134	14	9	11	10	6	12	7	14	12	13	9	17	...
32	Males	60	7	6	5	6	2	4	2	7	2	5	4	10	...
	Females	74	7	3	6	4	4	8	5	7	10	8	5	7	...
	Totals	139	9	7	18	9	14	12	10	17	14	8	12	9	...
33	Males	62	4	1	12	1	4	7	2	10	6	4	8	3	...
	Females	77	5	6	6	8	10	5	8	7	8	4	4	6	...

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Totals	121	3	12	8	9	9	11	8	19	12	11	11	7	1
34	Males	50	1	7	3	7	1	6	1	10	5	5	4	-----	---
	Females	71	2	5	5	2	8	5	7	9	7	6	7	7	1
	Totals	149	9	2	13	12	13	12	14	15	14	16	8	21	---
35	Males	80	7	2	6	6	7	8	8	9	6	7	1	13	---
	Females	69	2	-----	7	6	6	4	6	6	8	9	7	8	---
	Totals	132	6	6	15	11	9	11	13	12	12	11	9	17	---
36	Males	69	1	2	9	6	6	2	6	8	9	9	2	9	---
	Females	63	5	4	6	5	3	9	7	4	3	2	7	8	---
	Totals	146	6	7	13	11	18	8	10	10	18	15	14	16	---
37	Males	73	3	4	6	7	8	4	4	3	11	9	7	7	---
	Females	73	3	3	7	4	10	4	6	7	7	6	7	9	---
	Totals	138	9	7	9	14	8	6	19	16	14	14	9	13	---
38	Males	58	7	1	4	5	5	2	7	3	7	6	4	7	---
	Females	80	2	6	5	9	3	4	12	13	7	8	5	6	---
	Totals	102	13	5	11	8	11	9	3	10	8	5	12	7	---
39	Males	53	6	3	7	4	6	3	1	7	5	2	6	3	---
	Females	49	7	2	4	4	5	6	2	3	3	3	6	4	--
	Totals	128	8	9	11	6	7	13	16	11	11	14	16	6	---
40	Males	74	7	5	4	3	4	7	6	9	8	8	10	3	---
	Females	54	1	4	7	3	3	6	10	2	3	6	6	3	---
	Totals	83	3	7	7	10	7	6	3	7	2	5	10	16	---
41	Males	41	1	-----	4	5	4	3	-----	5	1	3	4	11	---
	Females	42	2	7	3	5	3	3	3	2	1	2	6	5	---
	Totals	111	4	9	14	9	14	9	5	10	11	6	8	12	---
42	Males	53	1	3	5	4	7	2	4	6	5	4	4	8	---
	Females	58	3	6	9	5	7	7	1	4	6	2	4	4	---
	Totals	122	10	6	6	9	11	12	12	11	9	7	15	14	---
43	Males	66	7	2	2	6	6	10	5	5	6	1	7	9	---
	Females	56	3	4	4	3	5	2	7	6	3	6	8	5	---
	Totals	108	8	7	12	11	7	7	13	9	7	9	8	10	---
44	Males	53	5	4	7	4	5	3	6	6	2	4	4	3	---
	Females	55	3	3	5	7	2	4	7	3	5	5	4	7	---
	Totals	146	10	6	9	15	13	15	10	7	10	11	20	18	2
45	Males	76	6	3	6	7	6	9	3	4	7	6	10		---
	Females	70	4	3	3	8	7	6	7	3	3	5	10	9	2

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
46	Totals	81	4	8	5	11	10	7	3	4	8	8	4	9	---
	Males	46	2	5	3	5	9	4	2	2	3	5	3	3	---
	Females	35	2	3	2	6	1	3	1	2	5	3	1	6	---
47	Totals	125	6	4	9	9	16	12	10	14	8	12	12	12	1
	Males	74	5	2	5	4	7	8	5	8	6	7	9	7	1
	Females	51	1	2	4	5	9	4	5	6	2	5	3	5	---
48	Totals	101	12	6	5	9	11	6	12	14	5	6	7	8	---
	Males	48	7	3	1	5	7	3	1	6	5	1	4	5	---
	Females	53	5	3	4	4	4	3	11	8	-----	5	3	3	---
49	Totals	110	6	10	5	14	9	13	7	8	14	9	5	10	---
	Males	61	1	8	4	5	5	7	3	7	7	5	2	7	---
	Females	49	5	2	1	9	4	6	4	1	7	4	3	3	---
50	Totals	116	9	5	9	13	7	5	7	5	10	16	17	12	1
	Males	64	3	4	4	8	3	4	4	3	5	8	9	9	---
	Females	52	6	1	5	5	4	1	3	2	5	8	8	3	1
51	Totals	80	4	6	4	9	6	5	3	10	11	5	5	12	---
	Males	50	-----	6	2	7	4	3	3	7	6	3	3	6	---
	Females	30	4	-----	2	2	2	2	-----	3	5	2	2	6	---
52	Totals	143	13	11	12	10	12	10	13	11	13	15	11	12	---
	Males	70	11	5	4	4	3	7		8	2	4	7	6	---
	Females	73	2	6	8	6	9	3	4	3	11	11	4	6	---
53	Totals	137	5	15	10	7	15	11	12	13	8	15	15	10	1
	Males	73	4	12	2	4	6	6	5	7	6	10	6	5	---
	Females	64	1	3	8	3	9	5	7	6	2	5	9	5	1
54	Totals	139	6	10	14	11	16	13	5	8	16	14	8	18	---
	Males	77	5	6	8	7	10	8	3	2	7	7	5	9	---
	Females	62	1	4	6	4	6	5	2	6	9	7	3	9	---
55	Totals	115	8	9	10	9	9	8	9	7	9	12	9	15	1
	Males	69	7	4	7	4	6	6	8	4	6	5	4	7	1
	Females	46	1	5	3	5	3	2	1	3	3	7	5	8	---
56	Totals	163	15	10	14	11	10	16	17	12	14	11	12	21	---
	Males	92	8	4	8	6	6	10	7	6	11	9	6	11	---
	Females	71	7	6	6	5	4	6	10	6	3	2	6	10	---
57	Totals	134	12	12	15	9	11	7	13	10	8	11	17	9	---
	Males	79	8	11	7	3	5	5	6	8	7	7	9	3	---
	Females	55	4	1	8	6	6	2	7	2	1	4	8	6	---

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Totals	117	5	10	6	14	16	5	10	8	9	12	10	12	...
58	Males	64	3	7	4	6	6	4	7	2	6	6	6	7	...
	Females	53	2	3	2	8	10	1	3	6	3	6	4	5	...
	Totals	113	11	8	6	9	5	9	17	11	6	6	10	14	1
59	Males	57	6	5	4	6	2	6	7	4	3	1	4	9	...
	Females	56	5	3	2	3	3	3	10	7	3	5	6	5	1
	Totals	162	9	11	14	21	12	16	7	19	9	15	15	13	1
60	Males	112	8	7	12	14	4	11	4	12	7	9	13	10	1
	Females	50	1	4	2	7	8	5	3	7	2	6	2	3	...
	Totals	110	5	8	6	8	8	12	14	14	9	6	12	7	1
61	Males	61	1	5	2	5	5	8	7	8	6	4	7	2	1
	Females	49	4	3	4	3	3	4	7	6	3	2	5	5	...
	Totals	153	15	10	18	13	7	13	5	14	12	11	18	16	1
62	Males	96	8	6	12	10	5	5	3	8	10	5	13	10	1
	Females	57	7	4	6	3	2	8	2	6	2	6	5	6	...
	Totals	172	14	10	15	15	21	14	14	11	14	17	14	12	1
63	Males	92	7	7	6	7	14	6	9	4	8	12	6	5	1
	Females	80	7	3	9	8	7	8	5	7	6	5	8	7	...
	Totals	130	7	12	12	13	14	10	10	10	16	8	8	9	1
64	Males	75	3	6	4	7	8	6	4	9	12	4	4	7	1
	Females	55	4	6	8	6	6	4	6	1	4	4	4	2	...
	Totals	180	14	15	13	20	6	11	16	23	10	15	13	22	2
65	Males	113	10	8	6	14	4	8	11	11	6	8	11	14	2
	Females	67	4	7	7	6	2	3	5	12	4	7	2	8	...
	Totals	160	8	15	12	17	15	9	11	18	17	9	9	20	...
66	Males	89	4	10	9	10	9	3	5	7	12	3	6	11	...
	Females	71	4	5	3	7	6	6	6	11	5	6	3	9	...
	Totals	201	15	14	20	17	15	23	16	17	19	19	10	16	...
67	Males	138	12	9	13	11	10	16	9	14	9	16	10	9	...
	Females	63	3	5	7	6	5	7	7	3	10	3	-----	7	...
	Totals	160	11	10	14	14	9	21	14	18	13	9	7	20	...
68	Males	87	5	4	8	5	5	13	10	9	7	5	4	12	...
	Females	73	6	6	6	9	4	8	4	9	6	4	3	8	...
	Totals	150	8	10	10	12	21	8	16	16	8	17	13	11	...
69	Males	91	3	4	7	5	16	4	8	9	7	12	8	8	...
	Females	59	5	6	3	7	5	4	8	7	1	5	5	3	...

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
70	Totals	161	7	11	13	16	17	8	16	14	21	7	14	16	1
	Males	95	4	6	8	12	13	6	10	7	8	5	6	9	1
	Females	66	3	5	5	4	4	2	6	7	13	2	8	7	...
71	Totals	144	9	8	15	14	9	6	11	16	13	16	13	13	1
	Males	74	5	2	5	3	6	2	6	11	9	8	9	8	...
	Females	70	4	6	10	11	3	4	5	5	4	8	4	5	1
72	Totals	171	18	14	12	14	15	12	20	11	23	12	8	11	1
	Males	97	10	6	5	8	9	8	12	6	19	3	4	7	...
	Females	74	8	8	7	6	6	4	8	5	4	9	4	4	1
73	Totals	141	8	12	10	17	13	10	8	10	17	10	11	15	...
	Males	71	4	4	4	7	7	4	5	4	10	4	9	9	...
	Females	70	4	8	6	10	6	6	3	6	7	6	2	6	...
74	Totals	182	12	11	17	15	11	8	19	19	19	9	16	24	2
	Males	104	4	6	10	11	7	6	10	14	11	4	8	12	1
	Females	78	8	5	7	4	4	2	9	5	8	5	8	12	1
75	Totals	181	7	16	15	12	18	8	15	17	18	12	21	22	...
	Males	97	4	8	8	6	10	5	4	13	8	9	9	13	...
	Females	84	3	8	7	6	8	3	11	4	10	3	12	9	...
76	Totals	205	11	14	16	25	20	15	10	21	19	14	19	21	...
	Males	105	5	6	6	12	11	10	2	13	11	6	11	12	...
	Females	100	6	8	10	13	9	5	8	8	8	8	8	9	..
77	Totals	157	11	11	12	12	12	11	11	16	14	18	15	14	...
	Males	83	5	5	6	7	6	6	5	12	4	10	10	7	...
	Females	74	6	6	6	5	6	5	6	4	10	8	5	7	...
78	Totals	128	1	17	11	10	4	10	16	10	12	4	11	22	..
	Males	61	.....	7	5	6	1	5	9	3	6	2	5	12	...
	Females	67	1	10	6	4	3	5	7	7	6	2	6	10	...
79	Totals	110	5	8	10	9	7	9	10	13	14	8	11	6	...
	Males	60	2	4	5	6	6	5	6	6	8	5	6	1	...
	Females	50	3	4	5	3	1	4	4	7	6	3	5	5	...
80	Totals	139	10	8	11	13	12	7	14	15	16	8	11	12	2
	Males	82	5	4	6	7	5	6	10	9	9	6	6	8	1
	Females	57	5	4	5	6	7	1	4	6	7	2	5	4	1
81	Totals	107	12	11	7	13	4	7	6	16	4	12	11	4	...
	Males	59	9	7	3	6	1	6	4	11	2	4	5	1	...
	Females	48	3	4	4	7	3	1	2	5	2	8	6	3	...

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Totals	117	4	7	10	11	12	7	13	13	13	5	10	12	...
82	Males	77	2	4	7	6	1½	4	9	6	10	5	7	5	...
	Females	40	2	3	3	5	.....	3	4	7	3	.....	3	7	...
	Totals	78	7	4	6	5	5	5	10	5	6	8	6	11	...
83	Males	43	3	2	3	4	3	3	4	3	4	5	3	6	...
	Females	35	4	2	3	1	2	2	6	2	2	3	3	5	...
	Totals	98	7	5	8	7	7	9	8	9	11	10	5	12	...
84	Males	53	3	3	4	6	3	4	4	5	6	5	5	5	...
	Females	45	4	2	4	1	4	5	4	4	5	5	.....	7	...
	Totals	87	5	6	10	9	12	7	5	6	5	13	3	6	...
85	Males	52	2	2	6	8	8	5	4	5	4	4	2	2	...
	Females	35	3	4	4	1	4	2	1	1	1	9	1	4	...
	Totals	75	4	9	3	6	9	7	8	2	5	3	14	5	...
86	Males	53	2	6	2	5	8	6	7	2	2	2	9	2	...
	Females	22	2	3	1	1	1	1	1	.....	3	1	5	3	...
	Totals	75	5	3	8	5	7	3	9	6	7	8	9	4	1
87	Males	50	4	2	6	1	5	3	4	3	6	6	5	4	1
	Females	25	1	1	2	4	2	.....	5	3	1	2	4	.....	...
	Totals	49	5	3	4	3	7	1	3	5	3	4	6	5	...
88	Males	26	3	2	2	3	2	1	.....	2	1	1	5	4	...
	Females	23	2	1	2	.....	5	.....	3	3	2	3	1	1	...
	Totals	27	1	6	2	3	1	2	.....	2	1	3	3	3	...
89	Males	11	1	2	1	3	.....	2	.....	.....	1	1	.....	.....	...
	Females	16	.....	4	1	.....	1	.....	.....	2	.....	2	3	3	...
	Totals	25	2	3	2	3	.....	.....	2	4	3	.....	4	2	...
90	Males	11	2	2	1	1	.....	.....	.....	2	1	.....	1	1	...
	Females	14	.....	1	1	2	.....	.....	2	2	2	.....	3	1	...
	Totals	18	2	1	1	1	3	1	5	1	.....	2	....	1	...
91	Males	12	2	1	1	.....	1	.....	4	.....	.....	2	.....	1	...
	Females	6	.....	.....	.....	1	2	1	1	1	.....	.....	.....	.....	...
	Totals	13	.....	1	3	1	.....	.....	4	.....	2	2	.....	.....	...
92	Males	9	.....	1	2	1	.....	.....	3	.....	1	1	.....	.....	...
	Females	4	.....	.....	1	....	.....	.....	1	.....	1	1	.....	.....	...
	Totals	13	2	.....	2	3	.....	2	.....	2	1	.....	.....	1	...
93	Males	8	2	.....	2	1	.....	.....	.....	2	1	.....	.....	.....	...
	Females	5	.....	.....	....	2	.....	2	.....	.....	.....	.....	.....	1	...

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1887.	Months, 1887.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
94	Totals	6	.....	.....	.....	.....	3	1	1	.....	.....	.....	1	.....	...
	Males	4	.....	.....	.....	.....	2	1	1	.....	.....	.....	.....	.....	...
	Females	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	...
95	Totals	4	.....	1	.....	1	.....	.....	.....	.....	1	.....	1	.....	...
	Males	3	.....	1	.....	.....	.....	.....	.....	.....	1	.....	1	.....	...
	Females	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	...
96	Totals	6	.....	.....	1	.....	.....	.....	.....	.....	3	1	.....	1	...
	Males	3	.....	.....	1	.....	.....	.....	.....	.....	2	.....	.....	.....	...
	Females	3	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	...
97	Totals	5	.....	1	1	1	.....	.....	.....	.....	.....	2	.....	.....	...
	Males	3	.....	.....	1	1	.....	.....	.....	.....	.....	1	.....	.....	...
	Females	2	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	...
98	Totals	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	...
	Males	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	...
	Females	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...
99	Totals	2	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	...
	Males	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	...
	Females	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	...
100 and over	Totals	5	.....	1	2	.....	.....	.....	.....	1	.....	.....	1	.....	...
	Males	3	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	...
	Females	2	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	...
Unknown	Totals	291	23	12	20	13	29	29	31	28	27	23	17	21	18
	Males	179	17	5	10	8	18	19	21	19	17	12	13	10	10
	Females	109	6	7	10	5	10	10	9	9	10	11	4	10	8
	Unknown	3	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	

INFANT MORTALITY.

The number of still-births returned for the year 1887 was 897, which was 12 less than was reported in 1886, and 111 less than was reported in 1885. The average number returned for the ten years 1877–1886 was 820. As shown in Table 53, the per cent of still-births to total deaths was less in 1887 than for any other year of the table and also less than the average. Although a subject of very great importance, it is probable that the returns relating to still-born children are too inaccurate for satisfactory study.

TABLE 53.—*The relation of Still-births to all Deaths returned for the years 1885, 1886, 1887, and the Average for ten years 1877–1886, Corrected by Means of the Returns of Births.*

	Total Deaths and Still-births.			
	1885.	1886.	1887.	Average for 10 Years, 1877-1886.
All deaths	16,646	18,187	19,482	16,165
Number of still-births	1,008	909	897	820
Per cent of still-births to total deaths	6.06	5.00	4.60	5.07

RELATIONS OF DEATHS OF CHILDREN UNDER ONE TO BIRTHS.

The number of deaths of infants under one year of age in 1887 was 4,947 and was greater than that of any previous year since the beginning of registration. Tables 54, 55 and 56 throw some light upon the important subject of infant mortality.

Table 55 shows, by sex, the number of children born in each month of the year 1886, and the number of these who died before reaching the age of one year. The births, 41,044, in 1886 are less than those of 1885 by 1,039, while the deaths exceed the number in last report by 405; this increases the per cent of deaths under one to births from 10.44 in 1886 to 11.69 in 1887. The excess of the males over the females was 637, or 2.25 per cent. The month of May leads with 460, or 60 above the monthly average, while January returns the least number, with 66 below the average.

Table 56 shows the distribution throughout the years 1886 and 1887 of the deaths of children born in 1886 who died under one year of age. There were 334 children born in January, 1886, who died under one year, of which 123 died in January, the month of birth, 15 died in February, 26 died in March, and 16 died in April, etc. In like manner may be traced the deaths of children born in each month of the year 1886. Of the 4,797 children born in 1886, who died under one year, 2,041 died in the month of birth, 398 lived to the age of one month, 332 lived to the age of two months, etc. From this it is seen that a very large proportion of the children who die under the age of one year, do so before they are a month old, being over 42 per cent of the entire number. The last column in the table shows what per cent of the children born in each month of the year 1886 died during the month of birth. On an average about 5 per cent of the children died during the month of birth.

TABLE 54.—*Exhibiting, by Sex, the Number of Children under One Year of Age returned as having died in 1887; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which Born in year of Death or in previous years.* a

Months in which Births and Deaths Occurred.		Number Born in each Month of Year of Death.				Number of Children who Died at each Age in Months.											Number Born in each Month of Year previous to Year of Death.			
	Year.	Totals.	Sex.	Number of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9	10.	11.	Number of each Sex.	Totals.	Year.	Of Y
January	1887.	382	Males	198	76	11	11	8	10	7	11	4	5	9	5	4	----			
			Females	184	53	5	8	4	9	7	2	6	7	3	2	1	----			
February		409	Males	238	105	14	4	12	6	6	7	5	5	3	7	--	4	5		
			Females	171	55	17	15	9	7	7	9	2	4	3	5	3	1			
March		453	Males	235	102	22	13	4	4	8	8	9	3	4	3	8	5	10		
			Females	218	99	20	22	10	4	5	6	3	8	11	6	3	5			
April		452	Males	268	139	22	15	7	7	5	6	6	7	7	6	11	24	35		
			Females	184	81	10	10	9	6	3	10	9	4	5	6	4	11			
May		374	Males	209	100	9	15	11	4	5	10	9	7	10	7	4	22	42		
			Females	165	62	4	10	10	8	7	4	5	4	9	3	2	20			
June		331	Males	198	93	17	17	14	10	8	7	9	2	7	2	7	23	52	1886.	1887
			Females	133	55	9	12	17	7	9	5	5	4	7	6	4	29			
July		385	Males	214	113	23	27	29	32	24	24	13	14	14	17	20	40	64		
			Females	171	98	16	20	25	27	27	19	17	8	10	13	4	24			
August		314	Males	177	106	42	33	21	34	14	14	24	18	12	13	16	62	104		
			Females	137	89	26	27	33	13	23	21	20	8	13	8	14	42			
September		233	Males	127	92	32	24	21	14	18	19	15	12	11	7	6	77	146		
			Females	106	77	26	19	21	17	17	13	7	16	7	8	7	69			
October		225	Males	131	103	19	19	10	10	12	13	9	9	6	4	4	72	132		
			Females	94	72	17	9	13	3	11	16	10	4	8	--	8	60			
November		214	Males	127	107	14	10	8	10	4	10	8	2	8	5	1	88	158		
			Females	87	70	12	5	8	7	4	5	6	4	4	--	4	70			
December		207	Males	123	123	20	14	6	12	15	14	8	1	6	5	5	85	169		
			Females	84	84	17	10	7	5	8	7	8	10	5	6	3	84			
Deaths by Ages. Of those Born in Year of Death.	1887.		Males	2,245	1,259	234	187	127	126	95	94	64	24	20	10	5	------	------	------	
			Females	1,734	895	174	144	143	87	99	81	51	34	17	6	3	------	------	------	
			Totals	3,979	2,154	408	331	270	213	194	175	115	58	37	16	8	------	------	------	
Of those Born in Previous Year.	1886.		Males	------	------	11	15	24	27	31	49	55	61	77	71	81	502	------	------	
			Females	------	------	5	23	23	26	29	36	47	47	68	57	54	415	------	------	
			Totals	917	------	16	38	47	53	60	85	102	108	145	128	135	------	917	------	
All Aged under one Year.			Males	------	1,259	245	202	151	153	126	143	119	85	97	81	86	------	------	------	
			Females	------	895	179	167	166	113	128	117	98	81	85	63	57	------	------	------	
			Totals	4,896	2,154	424	369	317	266	254	260	217	166	182	144	143	------	------	------	

a Excluding 3 males and 9 females, month of death unknown; and 39 deaths of persons of unknown sex,—51 in

TABLE 55.—*Of the Children Born in 1886, the Number who died during the Year 1886, the number who died during the Year 1887 under One Year of Age, and the Per Cent of Decedents aged under One Year to the Children born in 1886 according to the Returns.*

Months of Births.	Births in 1886, as Returned.	Born in 1886.				Births of Males, 1886, as Returned.	Males Born in 1886.				Births of Females, 1886, as Returned.	Females Born in 1886.			
		Died during the year 1886.	Died aged under 1 year during the year 1887.	Total died aged under 1 year.	Per cent of deaths under 1 to births.		Died during the year 1886.	Died aged under 1 year during the year 1887.	Total died aged under 1 year.	Per cent of deaths under 1 to births.		Died during the year 1886.	Died aged under 1 year during the year 1887.	Total died aged under 1 year.	Per cent of deaths under 1 to births.
Totals. a	41,044	3,880	917	4,797	11.69	21,307	2,215	502	2,717	12.75	19,679	1,665	415	2,080	10.50
January	2,617	334	.....	334	12.72	1,345	187	.....	187	13.90	1,267	147	.....	147	11.60
February	2,858	358	5	363	12.70	1,484	196	4	200	13.48	1,373	162	1	163	11.87
March	3,456	390	10	400	11.57	1,785	217	5	222	12.44	1,665	173	5	178	10.69
April	3,640	395	35	430	11.81	1,900	220	24	244	12.84	1,734	175	11	186	10.73
May	3,498	418	42	460	13.15	1,837	243	22	265	14.43	1,656	175	20	195	11.78
June	3,352	331	52	383	11.43	1,732	185	23	238	12.01	1,616	146	29	175	10.83
July	3,598	363	64	427	11.87	1,876	205	40	245	13.06	1,717	158	24	182	10.60
August	3,781	340	104	444	11.74	2,014	202	62	264	13.11	1,761	138	42	180	10.22
September	3,707	265	146	411	11.09	1,926	160	77	237	12.31	1,772	105	69	174	9.82
October	3,540	228	132	360	10.17	1,820	128	72	200	10.99	1,718	100	60	160	9.31
November	3,270	213	158	371	11.35	1,677	124	88	212	12.64	1,589	89	70	159	10.01
December	3,727	245	169	414	11.10	1,911	148	85	233	12.19	1,811	97	84	181	9.99

a Excluding 51 in unknown month.

TABLE 56.—*The Months of Births and of Deaths of Children Born in 1886, who Died under One Year of Age.*

Months of Births, 1886.	Born in 1886, died under 1 year of age.	Months of Death, 1886.												Months of Death, 1887.												Per cent died aged under 1 month. [a]	Births in 1886 as returned. [b]	Per cent of childrdn who died aged under 1 month to all children born. [c]
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.			
Born in 1886, died aged under 1 year	4,797	123	163	218	210	251	230	358	555	547	443	340	442	139	119	107	102	86	65	130	102	46	16	5	....	.....	41,044	.....
January	334	123	15	26	16	16	13	25	34	21	21	12	12	....	....	....	....	....	....	....	....	....	....	....	....	36.83	2,617	4.70
February	363	....	148	27	12	17	16	18	56	32	12	10	10	5	....	....	....	....	....	....	....	....	....	....	....	40.77	2,858	5.18
March	400	....	....	165	22	14	31	30	37	40	26	12	13	7	3	....	....	....	....	....	....	....	....	....	....	41.25	3,456	4.75
April	430	....	....	....	160	25	15	43	62	48	21	9	12	12	12	11	....	....	....	....	....	....	....	....	....	37.21	3,640	4.40
May	460	....	....	....	....	179	29	31	62	62	25	17	13	12	6	9	15	....	....	....	....	....	....	....	....	38.91	3,498	5.12
June	383	....	....	....	....	....	126	42	52	57	28	8	18	10	9	15	12	6	....	....	....	....	....	....	....	32.90	3,352	3.76
July	427	....	....	....	....	....	....	169	57	60	41	14	22	13	7	11	12	10	11	....	....	....	....	....	....	39.57	3,598	4.70
August	444	....	....	....	....	....	....	....	195	48	50	26	21	14	16	12	11	19	8	24	....	....	....	....	....	43.92	3,781	5.16
September	411	....	....	....	....	....	....	....	....	179	48	14	24	19	13	14	15	11	14	30	30	....	....	....	....	43.55	3,707	4.83
October	360	....	....	....	....	....	....	....	....	....	171	37	20	12	13	13	16	14	6	24	21	13	....	....	....	47.50	3,540	4.83
November	371	....	....	....	....	....	....	....	....	....	....	181	32	19	21	8	8	14	14	22	25	15	12	....	....	48.79	3,270	5.54
December	414	....	....	....	....	....	....	....	....	....	....	....	245	16	19	14	13	12	12	30	26	18	4	5	....	59.18	3,727	6.57
Deaths at each age. No. of Deaths.	4,797	....	....	....	....	....	....	....	....	....	....	....	....	2041	398	332	364	302	231	262	216	165	189	150	147	42.55	.....	4.97
Deaths at each age. Ages in Mos.	.....	....	....	....	....	....	....	....	....	....	....	....	....	-1	1	2	3	4	5	6	7	8	9	10	11	.....	.....	.....

[a] That is, per cent of children who died during month of birth to total born in 1886 who died aged under one year.
[b] Excluding 51 in unknown month,—25 males, 21 females, and 5 of unknown sex.
[c] That is, of the children born in 1886, the per cent who died during month of birth,—according to the returns of births and deaths.
It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the later months of the year.

TABLE 57.—*The relation, by Months, of the Decedents aged under One Month to the Births returned for the Year 1887.*

Sex, etc., Specified.		Year, 1887.	Months, 1887.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Totals	Births	46,226	3,132	3,150	3,897	3,986	3,960	3,666	4,011	4,266	4,331	3,944	3,765	4,058	60
	Deaths aged under one month a	2,199	131	161	206	224	166	148	216	199	170	178	181	211	8
	Per cent of deaths to births	4.76	4.18	5.11	5.17	5.75	4.19	4.04	5.38	4.66	3.93	4.51	4.81	5.20	13.34
Males	Births	24,026	1,633	1,655	2,100	1,991	2,028	1,892	2,074	2,220	2,219	2,067	1,973	2,150	24
	Deaths aged under one month	1,261	76	105	102	139	100	93	113	106	92	103	107	123	2
	Per cent of deaths to births	5.25	4.65	6.34	4.86	6.98	4.93	4.92	5.45	4.78	4.15	4.98	5.42	5.72	8.33
Females	Births	22,130	1,496	1,492	1,881	1,900	1,926	1,770	1,928	2,040	2,107	1,872	1,788	1,901	29
	Deaths aged under one month	900	53	55	99	81	62	55	98	89	77	72	70	84	5
	Per cent of deaths to births	4.07	3.54	3.68	5.26	4.26	3.22	3.11	5.08	4.36	3.65	3.84	3.91	4.42	17.24
Unknown	Births	70	3	3	6	5	6	4	9	6	5	5	4	7	7
	Deaths aged under one month	38	2	1	5	4	4	.....	5	4	1	3	4	4	1

a Still-births included.

TABLE 58.—*Exhibiting certain Details concerning persons returned as having Died aged One Hundred Years and over during the year 1887.*

Names of Centenarians, 1887.	Sex.	Color.	Married, Single or Widowed.	Birthplace.	Age.			Occupation.	Place of Death.		Date of Death, 1887.		Cause of Death.
					Year.	Month.	Day.		Town.	County.	Month.	Day.	
John Crook	Male	White	Single	England	102	....	....	Pauper	County house	Ingham	March	29	Old age.
Godfrey Knight	Male	White	Widower.	Michigan	100	....	....	Farmer	Schoolcraft	Kalamazoo.	February	19	Old age.
Cornelius Cochlin	Male	White	Widower.	Ireland	101	3	....	Tailor	Grand Rapids	Kent	November	15	Old age.
Abigal Read	Female	White	Widow	Massachusetts	100	10	3	Housewife	Bruce	Macomb	August	14	Old age.
Mary Kerins	Female	White	Widow	Ireland	104	....	....	Unknown	Brown City	Sanilac	March	16	Old age.

TABLE 59.—*Counties and Townships from which no Returns of Deaths for 1887 were received by this Department, showing Population in 1884.*

Counties.	Townships from which no Returns of Deaths for 1887, were Received.	Population, June 1, 1884.																					
		Totals.			Color or Race.													Nativity.					
					White.			Black and Mulatto.			Indian.			Unknown Color.			Native.		Foreign.		Unknown.	
		Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Total		7,002	4,098	2,904	6,816	3,995	2,821	14	12	2	128	67	61	44	24	20	2,279	1,890	1,761	967	58	47
Baraga	Spurr	266	167	99	266	167	99	....	....	....	....	....	....	....	....	....	65	47	102	52	.....	....
Cheboygan	Beaugrand	729	393	336	728	393	335	1	....	1	....	....	....	....	....	....	175	164	218	171	.....	1
Chippewa	Detour	615	384	231	565	353	212	8	8	....	1	....	1	41	23	18	123	76	260	154	1	1
	Drummond	400	241	159	311	195	116	2	2	....	84	43	41	3	1	2	106	82	135	76	.....	1
Gladwin	Billings	83	50	33	83	50	33	....	....	....	....	....	....	....	....	....	33	26	17	7	.....	....
	Buckeye	102	63	39	102	63	39	....	....	....	....	....	....	....	....	....	44	33	19	6	.....	....
Grand Traverse	Green Lake	262	144	118	262	144	118	....	....	....	....	....	....	....	....	....	125	110	18	7	1	1
Lake	Chase	2,229	1,273	956	2,216	1,266	950	1	1	....	12	6	6	....	....	....	812	669	461	287	.....	....
	Eden	71	46	25	71	46	25	....	....	....	....	....	....	....	....	....	33	24	13	1	.....	....
	Pleasant Plains	800	483	317	798	482	316	2	1	1	....	....	....	....	....	....	298	255	169	59	16	3
Mackinac	Garfield	442	265	177	411	247	164	....	....	....	31	18	13	....	....	....	151	123	114	54	.....	....
Manistee	Maple Grove	152	81	71	152	81	71	....	....	....	....	....	....	....	....	....	38	28	6	4	37	39
Roscommon	Higgins	851	508	343	851	508	343	....	....	....	....	....	....	....	....	....	276	253	229	89	3	1

RELATIONS OF DEATHS OF CHILDREN TO BIRTHS, BY MONTHS.

The per cent of deaths under the age of one month to births in 1887 may be seen in Table 57. Each year the per cent of males is greater than that of females and corresponds with the larger proportion of males born. The total number of deaths under one month was 2,199, being 4.76 per cent of the births. Of this number 5.25 per cent were among the males and 4.07 per cent among the females.

DEATHS OF CENTENARIANS.

In Table 58 are given the names and other facts concerning persons who died in 1887 and were returned as having lived to the age of 100 years and over. There were five of these centenarians of whom three were males and two were females. Two were born in Ireland.

DELINQUENT TOWNSHIPS.

As usual, there were a number of townships in the State from which no returns of deaths were received in 1887. The names of these townships, together with the population by sex and color, may be seen in Table 59. More care and attention to duty on the part of these supervisors would avoid such a showing, and there seems no reason nor excuse for it.

TOWNSHIPS IN WHICH NO DEATHS OCCURRED.

There were 60 townships in Michigan in which it was reported that no deaths occurred in 1887. It is probable that the increase of population will greatly reduce the number of townships thus reporting, but the fact of no deaths is very much to be doubted in the case of such townships as Chickaming in Berrien, Rubicon in Huron, and Carp Lake in Ontonagon county.

TABLE 60.—*Counties and Townships in which it was reported that no Deaths occurred in 1887.*

Counties.	Townships; No Deaths in 1887.	Population.			Counties.	Townships; No Deaths in 1887.	Population.		
		Totals.	Males.	Females.			Totals.	Males.	Females.
Totals		16,564	10,272	6,292	Midland	Larkin	296	174	122
Alpena	Ossineke	374	222	152	Missaukee	Bloomfield	189	112	77
	Sanborn a					Forest	141	74	67
Antrim	Milton	768	415	353	Montmorency	Albert	80	49	31
Berrien	Chickaming	1,006	530	476		Rust	396	237	159
Charlevoix	Bay a					Wheatfield a			
	Chandler	164	86	78	Muskegon	Blue Lake	221	117	104
Clare	Frost	297	227	70		Cedar Creek	317	179	138
	Summerfield	196	113	83		Eggleston	191	108	83
Crawford	Ball	130	77	53	Oceana	Colfax	128	65	63
	Blaine a					Otto	159	97	62
	Center Plains	351	188	163	Ogemaw	Hill	30	20	10
Delta	Bay De Noc	367	266	101		Logan a			
	Nahma	533	365	168		Mills	62	33	29
Emmet	Maple River	363	187	176	Ontonagon	Bohemia	272	171	101
Gladwin	Clement	54	30	24		Carp Lake	1,117	1,069	48
	Sage	112	69	43	Oscoda	Harmon	124	66	58
Huron	Rubicon	1,222	645	577		Mount Pindus	181	96	85
Iosco	Grant	220	139	81	Otsego	Charlton	208	169	39
	Sherman	199	147	52		Corwith	613	338	275
	Thompson	42	26	16	Presque Isle	Bismarck	89	46	43
Isabella	Broomfield	419	238	181		Krakow	390	208	182
Kalkaska	Oliver	65	31	34	Roscommon	Denton	183	119	64
Lake	Cherry Valley	223	140	83		Gerrish	251	193	58
	Glencoe	72	40	32		Markey a			
	Penora	933	549	384		Nester	391	353	38
Mackinac	Brevort	305	178	127		Richfield a			
	Marquette a				Saginaw	Lakefield	266	131	135
Marquette	Richmond	370	205	165		Spaulding	419	230	189
	Turin	105	65	40	Schoolcraft	Hiawatha	795	546	249
					Wexford	Boon	165	94	71

a Organized since census was taken.

TABLE 61.—*Exhibiting for the State and Counties, by Sex, the Number of Deaths returned in each Month of the Year 1887, and the Number of Deaths at each Period of Age.*

State and Counties.	Sex.	Year, 1887.	Months, 1887.												Ages in Periods of Years, 1887.																
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over	Unknown.
State	Totals	19,482	1,249	1,274	1,535	1,599	1,472	1,405	1,915	2,055	1,916	1,699	1,554	1,743	66	7,391	934	542	775	891	832	678	667	552	563	615	642	727	851	799	781	951	291
	Males	10,563	693	682	791	853	816	803	1,004	1,128	1,060	907	856	938	32	4,107	487	270	365	408	442	319	333	287	305	334	361	436	518	441	406	565	179
	Females	8,877	554	591	739	742	651	602	905	922	855	789	694	800	33	3,245	447	272	410	483	390	359	334	265	258	281	281	291	333	358	375	386	109
	Unknown	42	2	1	5	4	5	-----	6	5	1	3	4	5	1	39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3
Alcona	Totals	26	-----	2	4	1	3	2	-----	2	4	2	3	3	--	8	---	2	2	2	3	---	1	1	1	3	---	1	1	---	1	---	---
	Males	15	-----	1	2	1	2	1	-----	2	2	2	2	-----	--	6	---	2	1	2	1	---	---	---	---	2	---	1	---	---	---	---	---
	Females	11	-----	1	2	-----	1	1	-----	-----	2	-----	1	3	--	2	---	---	1	---	2	---	1	1	1	1	---	---	1	---	1	---	---
Alger	Totals	8	-----	-----	-----	-----	1	1	1	1	1	2	-----	1	--	1	---	1	---	1	1	---	3	---	---	---	---	---	---	---	---	---	1
	Males	5	-----	-----	-----	-----	1	1	1	1	-----	1	-----	-----	--	1	---	---	---	---	1	---	2	---	---	---	---	---	---	---	---	---	---	1
	Females	3	-----	-----	-----	-----	-----	-----	-----	-----	1	1	-----	1	--	-----	---	1	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---
Allegan	Totals	371	21	23	32	36	21	25	32	44	38	38	30	29	2	115	12	9	10	13	11	13	9	11	10	20	12	19	19	28	25	30	5
	Males	186	8	9	16	17	10	16	18	24	22	20	13	13	--	57	6	4	1	3	8	7	2	5	4	12	7	11	8	16	15	18	2
	Females	185	13	14	16	19	11	9	14	20	16	18	17	16	2	58	6	5	9	10	3	6	7	6	6	8	5	8	11	12	10	12	3
Alpena	Totals	98	10	6	10	3	1	2	14	25	9	9	4	4	1	52	7	2	1	3	3	3	6	2	1	4	1	3	2	1	1	4	2
	Males	55	7	4	7	2	1	1	9	10	2	6	1	4	1	25	5	2	1	2	---	2	5	1	1	3	1	1	2	---	---	2	2
	Females	43	3	2	3	1	-----	1	5	15	7	3	3	-----	--	27	2	---	---	1	3	1	1	1	---	1	---	2	---	1	1	2	---
Antrim	Totals	47	3	2	2	4	2	6	9	2	2	10	4	1	--	19	3	1	---	3	3	---	2	2	---	1	3	3	3	2	---	1	1
	Males	27	2	-----	-----	1	1	3	7	1	2	7	3	-----	--	11	2	1	---	1	2	---	---	1	---	---	2	2	2	2	---	---	1
	Females	20	1	2	2	3	1	3	2	1	-----	3	1	1	--	8	1	---	---	2	1	---	2	1	---	1	1	1	1	---	---	1	---

| | | |

TABLE 61.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1887.*

Counties.	Sex.	Year, 1887.	Months, 1887.												Ages in Periods of Years, 1887.																
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Cass	Totals	171	8	6	16	15	8	9	20	25	22	22	9	11	..	39	5	4	8	8	7	6	6	6	5	4	11	8	9	14	12	18	1
	Males	96	7	2	7	8	5	3	10	17	18	12	2	5	..	26	4	3	1	5	4	3	3	5	1	2	5	5	5	7	7	10	..
	Females	75	1	4	9	7	3	6	10	8	4	10	7	6	..	13	1	1	7	3	3	3	3	1	4	2	6	3	4	7	5	8	1
Charlevoix	Totals	71	4	5	7	1	5	17	5	4	3	6	8	4	2	21	1	1	3	2	2	2	2	5	....	2	1	3	2	2	3	2	17
	Males	47	3	4	6	1	1	10	5	1	2	3	6	3	2	16	....	....	3	2	....	1	....	2	....	1	....	3	2	2	2	2	11
	Females	24	1	1	1	....	4	7	....	3	1	3	2	1	..	5	1	1	....	....	2	1	2	3	....	1	1	....	....	....	1	....	6
Cheboygan	Totals	92	3	5	6	1	9	7	11	17	12	7	10	4	..	49	2	5	4	5	4	5	2	1	1	2	1	3	1	4	....	1	2
	Males	47	2	3	2	....	4	4	8	11	5	1	5	2	..	27	2	1	1	3	3	1	2	....	....	1	1	1	....	2	....	1	1
	Females	45	1	2	4	1	5	3	3	6	7	6	5	2	..	22	....	4	3	2	1	4	....	1	1	1	....	2	1	2	....	....	1
Chippewa	Totals	54	2	2	2	3	2	2	3	5	6	6	7	14	..	24	7	2	3	2	1	3	2	....	1	2	1	....	2	2	....	....	2
	Males	31	1	1	....	1	2	1	1	4	5	3	3	9	..	15	3	2	1	1	....	1	1	....	1	2	....	....	1	1	....	....	2
	Females	23	1	1	2	2	....	1	2	1	1	3	4	5	..	9	4	....	2	1	1	2	1	....	....	....	1	....	1	1	....	....	..
Clare	Totals	56	1	5	1	1	4	2	7	6	4	8	4	12	1	27	2	....	1	6	3	2	3	1	3	2	1	....	2	....	1	1	1
	Males	31	1	3	....	1	3	2	4	4	1	4	1	6	1	17	2	....	....	3	2	....	2	....	1	1	1	....	1	....	....	....	1
	Females	25	....	2	1	....	1	....	3	2	3	4	3	6	..	10	....	....	1	3	1	2	1	1	2	1	....	....	1	....	1	1	..
Clinton	Totals	239	17	14	16	19	20	21	14	27	28	25	21	17	..	64	7	8	9	12	9	8	7	7	6	10	11	19	12	19	18	13	..
	Males	132	12	7	10	11	12	14	5	10	16	13	13	9	..	38	2	4	4	5	7	5	4	1	4	7	6	10	7	11	9	8	..
	Females	104	4	7	5	8	8	7	9	16	12	12	8	8	..	23	5	4	5	7	2	3	3	6	2	3	5	9	5	8	9	5	..
	Unknown	3	1	....	1	....	....	....	....	1	....	....	....	....	..	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..
Crawford	Totals	20	1	3	3	4	2	3	5	3	....	3	2	....	..	14	4	....	....	2	....	2	1	....	3	1	....	....	1	....	....	....	1
	Males	20	1	3	2	2	1	2	4	1	....	3	1	....	..	9	4	....	....	1	....	2	....	....	2	....	....	....	1	....	....	....	1
	Females	9	....	....	1	2	1	1	1	2	....	....	1	....	..	5	....	....	....	1	....	....	1	....	1	1	....	....	....	....	....	....	..

| | | |

TABLE 61.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1887.*

Counties.	Sex.	Year, 1887.	Months, 1887.												Ages in Periods of Years, 1887.																
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Houghton	Totals	361	13	14	17	24	33	21	33	51	23	48	47	36	1	217	25	10	10	14	11	15	13	9	6	8	2	9	6	1	1	3	1
	Males	200	7	7	8	13	20	7	20	30	12	27	32	17	--	121	13	4	6	6	6	7	6	5	3	6	1	6	6	1	1	2	--
	Females	161	6	7	9	11	13	14	13	21	11	21	15	19	1	96	12	6	4	8	5	8	7	4	3	2	1	3	----	----	----	1	1
Huron	Totals	222	6	14	21	21	19	17	28	10	21	25	15	24	1	114	12	8	7	8	10	12	4	3	4	5	3	7	8	6	3	3	5
	Males	122	5	7	15	9	12	10	13	4	16	11	6	14	--	68	5	4	4	3	2	7	1	----	3	5	2	4	6	4	2	1	1
	Females	100	1	7	6	12	7	7	15	6	5	14	9	10	1	46	7	4	3	5	8	5	3	3	1	----	1	3	2	2	1	2	4
Ingham	Totals	374	20	32	26	29	19	30	37	41	40	30	31	39	--	104	14	8	23	12	10	18	12	15	10	14	12	28	34	16	19	19	6
	Males	171	8	12	15	12	7	11	18	25	18	15	15	15	--	43	5	5	13	4	5	[illegible]	[illegible]	8	4	8	6	15	17	6	8	11	3
	Females	203	12	20	11	17	12	19	19	16	22	15	16	24	--	61	9	3	10	8	5	14	6	7	6	6	6	13	17	10	11	8	3
Ionia	Totals	263	19	20	22	17	26	20	17	25	26	25	20	25	1	69	13	9	12	10	4	9	14	7	2	15	15	15	20	19	13	13	4
	Males	143	12	12	12	7	14	11	7	15	12	17	13	11	--	44	8	5	5	3	2	3	6	4	2	5	6	10	13	10	7	7	3
	Females	120	7	8	10	10	12	9	10	10	14	8	7	14	1	25	5	4	7	7	2	6	8	3	----	10	9	5	7	9	6	6	1
Iosco	Totals	105	15	3	11	13	13	6	11	4	7	8	6	8	--	51	6	4	3	7	4	1	2	5	4	4	1	3	2	4	1	2	1
	Males	62	11	1	6	8	10	3	7	2	4	5	2	3	--	33	3	3	1	5	2	1	----	2	----	2	1	1	1	3	1	2	1
	Females	43	4	2	5	5	3	3	4	2	3	3	4	5	--	18	3	1	2	2	2	----	2	3	4	2	----	2	1	1	----	----	--
Iron	Totals	46	3	1	4	3	1	3	3	12	3	3	1	6	3	19	----	1	1	2	3	2	---	1	----	2	2	----	---	----	----	----	13
	Males	32	3	1	3	1	1	3	3	7	3	1	----	3	3	10	----	1	----	----	3	1	----	1	----	1	2	----	----	----	----	----	13
	Females	14	----	----	1	2	----	----	----	5	----	2	1	3	--	9	----	----	1	2	----	1	----	----	----	1	----	----	----	----	----	----	--
Isabella	Totals	163	5	7	15	14	11	13	14	17	18	16	18	15	--	70	15	12	9	3	8	2	6	4	5	6	3	2	5	5	2	6	--
	Males	80	4	4	9	9	6	6	7	6	7	9	6	7	--	35	10	7	6	1	2	----	----	1	2	3	2	1	2	2	2	4	--
	Females	83	1	3	6	5	5	7	7	11	11	7	12	8	--	35	5	5	3	2	6	2	6	3	3	3	1	1	3	3	----	2	--

| | | |

TABLE 61.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1887.*

Counties.	Sex.	Year, 1887.	Months, 1887.												Ages in Periods of Years, 1887																
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Lenawee	Totals	383	39	28	37	29	33	26	27	44	27	34	23	31	5	86	10	6	8	14	15	13	12	11	14	9	19	21	28	26	41	42	5
	Males	200	18	17	21	17	12	16	13	23	13	16	16	15	3	54	3	3	4	6	12	4	6	4	6	6	10	12	15	11	18	23	3
	Females	182	21	11	16	12	21	10	14	20	14	18	7	16	2	31	7	3	4	8	3	9	6	7	8	3	9	9	13	15	23	19	5
	Unknown	1								1						1																	
Livingston	Totals	153	6	11	12	14	13	10	13	13	14	9	19	19		37	5	2	7	6	7	2	6	9	4	4	5	9	10	12	18	8	2
	Males	88	4	7	7	9	7	3	5	7	10	6	11	12		21	2	1	3	3	5	1	1	4	2	2	5	4	5	7	14	6	2
	Females	65	2	4	5	5	6	7	8	6	4	3	8	7		16	3	1	4	3	2	1	5	5	2	2		5	5	5	4	2	
Luce	Totals	17	1			1	4		5	3		3				10			2			2		1		1		1					
	Males	5	1				1			2		1				3								1				1					
	Females	9				1	2		4	1		1				4			2			2				1							
	Unknown	3					1		1			1				3																	
Mackinac	Totals	39	4	1	2		5	4	3	10	1	3	4	2		13	3	1	1	2	1	1			6	1			1	2	1	5	1
	Males	20	4		1		2	1	2	6	1	1	2			7	1			1	1				3				1	1	1	3	1
	Females	19		1	1		3	3	1	4		2	2	2		6	2	1	1	1		1			3	1				1		2	
Macomb	Totals	327	15	28	20	41	21	17	32	47	20	27	27	32		123	8	7	13	12	13	10	7	4	6	12	15	15	22	13	13	32	2
	Males	176	7	17	12	23	14	10	14	25	8	12	17	17		71	6	3	6	6	5	5	3	2	3	1	8	7	15	7	8	19	1
	Females	150	8	11	8	17	7	7	18	22	12	15	10	15		51	2	4	7	6	8	5	4	2	3	11	7	8	7	6	5	13	1
	Unknown	1				1										1																	
Manistee	Totals	273	22	14	26	22	17	14	24	39	26	31	21	17		169	12	6	9	12	12	3	6	6	5		4	8	10	1	5	5	
	Males	130	10	6	11	9	10	8	9	24	9	18	9	7		83	3	4	4	4	8	3	1	2	1		1	5	7	1	1	2	
	Females	143	12	8	15	13	7	6	15	15	17	13	12	10		86	9	2	5	8	4		5	4	4		3	3	3		4	3	

| | | |

TABLE 61.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1887.*

Counties.	Sex.	Year, 1887.	Months, 1887.												Ages in Periods of Years, 1887.																
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Montcalm	Totals	213	14	9	26	17	10	17	19	22	24	13	17	23	2	78	10	9	11	6	11	6	11	10	11	7	8	8	4	9	8	4	2
	Males	114	10	6	12	7	6	13	10	13	14	3	6	12	2	39	5	7	6	2	4	2	8	5	7	3	6	4	3	4	6	2	1
	Females	96	4	3	14	10	3	4	9	9	10	10	10	10	..	36	5	2	5	4	7	4	3	5	4	4	2	4	1	5	2	2	1
	Unknown	3	....	....	....	....	1	....	....	....	....	....	1	1		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..
Montmorency	Totals	8	4	....	....	1	....	....	....	....	1	1	....	1	..	6	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	..
	Males	4	2	....	....	....	....	....	....	....	1	1	....	....	..	3	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	..
	Females	4	2	....	....	1	....	....	....	....	....	....	....	1	..	3	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	..
Muskegon	Totals	406	21	16	22	32	32	35	44	49	46	37	39	32	1	223	32	8	14	10	15	15	6	9	10	3	8	14	9	9	8	9	4
	Males	218	11	8	12	15	15	23	23	31	27	17	21	15	..	116	20	3	7	6	10	6	4	4	6	1	7	9	3	5	4	6	1
	Females	187	10	8	10	17	17	12	20	18	19	20	18	17	1	106	12	5	7	4	5	9	2	5	4	2	1	5	6	4	4	3	3
	Unknown	1	....	....	....	....	....	....	1	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..
Newaygo	Totals	94	4	8	10	6	4	4	7	8	15	8	5	15	..	25	4	1	7	9	6	8	....	3	1	4	2	2	7	6	3	3	3
	Males	43	2	2	6	4	1	2	4	2	7	5	2	6	..	10	2	1	3	1	3	1	....	....	1	3	1	2	5	3	2	2	3
	Females	51	2	6	4	2	3	2	3	6	8	3	3	9	..	15	2	....	4	8	3	7	....	3	....	1	1	....	2	3	1	1	..
Oakland	Totals	379	38	23	22	36	31	19	31	45	38	39	30	27	..	73	10	4	13	19	19	15	9	14	18	15	14	28	30	28	27	39	4
	Males	215	23	12	14	20	17	12	17	27	18	19	20	16	..	41	5	....	5	8	10	6	5	6	10	6	8	19	22	19	16	27	2
	Females	162	15	11	8	16	14	7	14	18	20	18	10	11	..	30	5	4	8	11	9	9	4	8	8	9	6	9	8	9	11	12	2
	Unknown	2	....	....	....	....	....	....	....	....	....	2	....	....	..	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..
Oceana	Totals	102	8	5	5	9	5	3	18	5	16	12	8	8	..	34	5	....	3	5	5	5	6	2	....	6	6	7	5	4	2	5	2
	Males	57	5	3	3	5	3	1	9	3	9	6	5	5	..	21	4	....	1	1	3	4	1	....	....	3	4	4	3	3	....	4	1
	Females	45	3	2	2	4	2	2	9	2	7	6	3	3	..	13	1	....	2	4	2	1	5	2	....	3	2	3	2	1	2	1	1

| | | |

TABLE 61.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1887.*

Counties.	Sex.	Year, 1887.	Months, 1887.												Ages in Periods of Years, 1887.															
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Sanilac	Totals	280	13	23	31	27	14	21	17	33	27	19	24	31	..	101	16	7	18	13	10	10	9	2	5	7	7	12	14	14	9	22	4
	Males	145	4	10	15	13	9	11	4	22	16	8	14	19	..	50	6	6	9	6	6	4	1	2	1	6	6	7	11	6	2	13	3
	Females	135	9	13	16	14	5	10	13	11	11	11	10	12	..	51	10	1	9	7	4	6	8	....	4	1	1	5	3	8	7	9	1
Schoolcraft	Totals	18	1	4	1	4	2	3	1	2	....	....	....	....	..	6	1	....	1	....	3	3	....	....	2	2	....	....	....	....	....	....	..
	Males	12	1	3	....	3	1	2	1	1	....	....	....	....	..	3	....	....	....	....	3	3	....	....	1	2	....	....	....	....	....	....	..
	Females	6	....	1	1	1	1	1	....	1	....	....	....	....	..	3	1	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	..
Shiawassee	Totals	160	8	10	10	7	13	10	9	12	29	19	14	18	1	41	6	4	7	6	8	6	4	2	9	6	11	10	11	6	7	13	3
	Males	86	4	6	2	4	7	7	4	5	20	11	6	9	1	24	3	2	4	1	3	....	2	2	3	1	6	8	6	4	6	10	1
	Females	74	4	4	8	3	6	3	5	7	9	8	8	9	..	17	3	2	3	5	5	6	2	....	6	5	5	2	5	2	1	3	2
St. Clair	Totals	489	34	31	32	43	41	32	45	42	53	38	39	58	1	135	18	14	22	19	18	8	19	9	22	17	16	15	20	23	16	32	6
	Males	252	19	14	12	25	24	14	22	19	27	17	21	38	..	104	8	4	11	5	10	3	6	4	12	9	12	10	13	8	11	20	2
	Females	237	15	17	20	18	17	18	23	23	26	21	18	20	1	91	10	10	11	14	8	5	13	5	10	8	4	5	7	15	5	12	4
St. Joseph	Totals	244	19	24	16	28	22	17	20	23	20	26	17	11	1	57	8	5	8	12	8	6	7	5	8	12	14	12	23	21	20	18	..
	Males	127	9	17	6	13	13	9	11	12	11	13	9	4	..	31	5	4	4	4	4	1	4	2	4	7	9	6	16	11	6	9	..
	Females	114	10	7	9	14	9	8	9	10	9	13	8	7	1	23	3	1	4	8	4	5	3	3	4	5	5	6	7	10	14	9	..
	Unknown	3	....	....	1	1	....	....	....	1	....	....	....	....	..	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..
Tuscola	Totals	276	14	23	18	24	26	19	21	28	31	30	19	23	..	103	13	17	11	14	12	8	9	5	6	2	11	15	14	8	13	11	4
	Males	136	7	14	5	11	15	10	12	14	12	15	6	15	..	56	3	9	6	5	5	1	2	1	2	2	8	8	10	5	4	8	1
	Females	138	7	9	13	13	11	9	8	14	19	15	13	7	..	46	10	8	5	9	7	7	7	4	4	....	3	7	4	3	9	3	2
	Unknown	2	....	....	....	....	....	....	1	....	....	....	....	1	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1

| | | |

COLOR OF DECEDENTS IN MICHIGAN IN 1887.

Table 62 shows the number of deaths in Michigan in 1887, by sex and by color of decedents. The proportion of males was largest among the black and mulatto, and smallest among the Indians. The last column of the table shows the death-rate among the different races, and from this it is seen that the death-rate is the same as the average for all colors among the white, less among the mulatto, and greater than the average among the black and Indian decedents.

TABLE 62.—*Deaths returned for the year 1887, distinguishing the Color by number and Proportion of each Sex, and by Sex, the Per Cent of Decedents of each Color to Total of all Colors, and the Per Cent of Decedents to Inhabitants.*

Color.	Sex.	Population, June 1, 1884.	Number of deaths returned.	Per cent of deaths of each sex to total of both sexes.	Males to 100 females.	Per cent of deaths of each color to total of all colors by sex.	Per cent of inhabitants of each color to total of all colors by sex, June 1, 1884.	Death-rate. Per cent of deaths in 1887 to population in 1884.
All colors	Totals	a 1,846,656	19,482	.....	.....	100.00	100.00	1.05
	Males	970,326	10,563	54.34	119	100.00	100.00	1.09
	Females	876,124	8,877	45.66	.....	100.00	100.00	1.01
	Unknown	206	42	.....	.....	.....	.....	.....
White	Totals	1,823,664	19,115	.....	.....	98.12	98.75	1.05
	Males	958,381	10,370	54.35	119	98.17	98.77	1.08
	Females	865,273	8,709	45.65	.....	98.11	98.76	1.01
	Unknown	10	36	.....	.....	.....	.....	.....
Black	Totals	6,851	159	.....	.....	.82	.37	2.32
	Males	3,689	87	54.72	121	.83	.38	2.35
	Females	3,162	72	45.28	.....	.81	.36	2.28
Mulatto	Totals	8,258	53	.....	.....	.27	.45	.64
	Males	4,202	32	60.38	152	.30	.44	.76
	Females	4,056	21	39.62	.....	.24	.47	.52
Indian	Totals	6,772	137	.....	.....	.70	.37	2.02
	Males	3,507	69	50.36	101	.65	.36	1.97
	Females	3,265	68	49.64	.....	.76	.37	2.08
Unknown	Totals	1,041	18	.....	.....	.09	.06	1.73
	Males	477	5	41.67	71	.05	.05	1.05
	Females	368	7	58.33	.....	.08	.04	1.90
	Unknown	196	6	.....	.....	.....	.....	.....
Black and Mulatto	Totals	15,109	212	.....	.....	1.09	.82	1.40
	Males	7,891	119	56.13	128	1.13	.81	1.51
	Females	7,218	93	43.87	.....	1.05	.81	1.29

a Includes 70 Asiatic males.

TABLE 63.—*Exhibiting, by Number and by Sex, for the State and Counties, the Color of Decedents, returned for the Year 1887.*

State and Counties.	All Colors, 1887.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Unknown.
State	19,482	10,563	8,877	42	19,115	10,370	8,709	36	159	87	72	53	32	21	137	69	68	18	5	7	6
Alcona	26	15	11	..	26	15	11	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Alger	8	5	3	..	7	5	2	..	....	....	..	....	....	..	1	....	1	....	....	..	..
Allegan	371	186	185	..	362	182	180	..	3	2	1	....	....	..	5	2	3	1	....	1	..
Alpena	98	55	43	..	98	55	43	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Antrim	47	27	20	..	47	27	20	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Arenac	75	35	40	..	63	30	33	..	....	....	..	....	....	..	12	5	7	....	....	..	..
Baraga	23	15	7	1	22	15	6	1	....	....	..	....	....	..	1	....	1	....	....	..	..
Barry	190	98	92	..	190	98	92	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Bay	463	264	197	2	460	262	196	2	1	....	1	....	....	..	2	2	..	....	....	..	..
Benzie	36	21	15	..	35	20	15	..	....	....	..	1	1	..	....	....	..	....	....	..	..
Berrien	349	195	153	1	341	192	148	1	6	3	3	2	....	2	....	....	..	....	....	..	..
Branch	285	150	135	..	282	148	134	..	2	1	1	1	1	..	....	....	..	....	....	..	..
Calhoun	388	189	197	2	377	183	192	2	4	1	3	7	5	2	....	....	..	....	....	..	..
Cass	171	96	75	..	159	90	69	..	12	6	6	....	....	..	....	....	..	....	....	..	..
Charlevoix	71	47	24	..	71	47	24	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Cheboygan	92	47	45	..	90	46	44	..	2	1	1	....	....	..	....	....	..	....	....	..	..
Chippewa	54	31	23	..	43	26	17	..	....	....	..	....	....	..	11	5	6	....	....	..	..
Clare	56	31	25	..	56	31	25	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Clinton	239	132	104	3	238	131	104	3	....	....	..	1	1	..	....	....	..	....	....	..	..
Crawford	29	20	9	..	26	18	8	..	....	....	..	1	1	..	2	1	1	....	....	..	..
Delta	143	90	53	..	143	90	53	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Eaton	335	173	161	1	333	172	160	1	2	1	1	....	....	..	....	....	..	....	....	..	..
Emmet	97	58	39	..	61	35	26	..	....	....	..	....	....	..	36	23	13	....	....	..	..
Genesee	281	145	136	..	280	145	135	..	....	....	..	1	....	1	....	....	..	....	....	..	..
Gladwin	11	6	5	..	11	6	5	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Gogebic	86	66	20	..	86	66	20	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Gd. Traverse	123	67	56	..	123	67	56	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Gratiot	202	116	86	..	201	115	86	..	....	....	..	1	1	..	....	....	..	....	....	..	..
Hillsdale	299	153	146	..	297	153	144	..	2	....	2	....	....	..	....	....	..	....	....	..	..
Houghton	361	200	161	..	361	200	161	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Huron	222	122	100	..	222	122	100	..	....	....	..	....	....	..	....	....	..	....	....	..	..

TABLE 63.—CONTINUED.—*Deaths by Counties, by Color, by Sex.*

Counties.	All Colors, 1887.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Unknown.
Ingham	374	171	203	..	364	165	199	..	6	4	2	4	2	2	....	....	..	....	....	..	..
Ionia	263	143	120	..	263	143	120	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Iosco	105	62	43	..	105	62	43	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Iron	46	32	14	..	46	32	14	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Isabella	163	80	83	..	144	70	74	..	....	....	..	2	1	1	17	9	8	....	....	..	..
Jackson	330	172	157	1	325	168	156	1	4	3	1	1	1	..	....	....	..	....	....	..	..
Kalamazoo	476	273	203	..	457	264	193	..	4	2	2	4	2	2	....	....	..	11	5	6	..
Kalkaska	42	23	18	1	41	23	18	..	....	....	..	....	....	..	....	....	..	1	....	..	1
Kent	944	496	447	1	933	488	445	..	8	7	1	2	1	1	....	....	..	1	....	..	1
Keweenaw	40	20	20	..	40	20	20	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Lake	23	15	8	..	23	15	8	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Lapeer	229	115	112	2	228	115	111	2	....	....	..	1	....	1	....	....	..	....	....	..	..
Leelanaw	99	56	43	..	87	51	36	..	....	....	..	....	....	..	12	5	7	....	....	..	..
Lenawee	383	200	182	1	372	197	174	1	5	2	3	3	1	2	3	....	3	....	....	..	..
Livingston	153	88	65	..	152	87	65	..	1	1	..	....	....	..	....	....	..	....	....	..	..
Luce	17	5	9	3	17	5	9	3	....	....	..	....	....	..	....	....	..	....	....	..	..
Mackinac	39	20	19	..	25	14	11	..	....	....	..	....	....	..	14	6	8	....	....	..	..
Macomb	327	176	150	1	326	175	150	1	1	1	..	....	....	..	....	....	..	....	....	..	..
Manistee	273	130	143	..	272	129	143	..	....	....	..	....	....	..	1	1	..	....	....	..	..
Manitou	12	8	4	..	12	8	4	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Marquette	385	246	139	..	385	246	139	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Mason	93	48	45	..	87	47	40	..	....	....	..	....	....	..	6	1	5	....	....	..	..
Mecosta	122	72	50	..	121	72	49	..	1	....	1	....	....	..	....	....	..	....	....	..	..
Menominee	327	204	118	5	327	204	118	5	....	....	..	....	....	..	....	....	..	....	....	..	..
Midland	79	43	36	..	78	42	36	..	....	....	..	....	....	..	1	1	..	....	....	..	..
Missaukee	29	11	18	..	28	10	18	..	....	....	..	....	....	..	1	1	..	....	....	..	..
Monroe	337	187	148	2	337	187	148	2	....	....	..	....	....	..	....	....	..	....	....	..	..
Montcalm	213	114	96	3	213	114	96	3	....	....	..	....	....	..	....	....	..	....	....	..	..
Montmorency	8	4	4	..	8	4	4	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Muskegon	406	218	187	1	405	218	187	..	....	....	..	....	....	..	....	....	..	1	....	..	1
Newaygo	94	43	51	..	93	43	50	..	....	....	..	....	....	..	1	....	1	....	....	..	..
Oakland	379	215	162	2	377	214	161	2	....	....	..	2	1	1	....	....	..	....	....	..	..
Oceana	102	57	45	..	101	56	45	..	1	1	..	....	....	..	....	....	..	....	....	..	..
Ogemaw	41	27	14	..	41	27	14	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Ontonagon	31	14	17	..	31	14	17	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Osceola	153	93	60	..	153	93	60	..	....	....	..	....	....	..	....	....	..	....	....	..	..

TABLE 63:—CONTINUED.—*Deaths by Counties, by Color, by Sex.*

Counties.	All Colors, 1887.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Unknown.
Oscoda	17	9	8	..	17	9	8	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Otsego	35	21	14	..	34	20	14	..	....	....	..	1	1	..	....	....	..	....	....	..	..
Ottawa	368	179	189	..	368	179	189	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Presque Isle	40	20	20	..	40	20	20	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Roscommon	5	4	1	..	5	4	1	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Saginaw	894	508	391	..	882	497	386	..	5	2	3	....	....	..	6	4	2	....	....	..	..
Sanilac	280	145	135	..	280	145	135	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Schoolcraft	18	12	6	..	18	12	6	..	....	....	..	....	....	..	....	....	..	....	....	..	..
Shiawassee	160	86	74	..	160	86	74	..	....	....	..	....	....	..	....	....	..	....	....	..	..
St. Clair	489	252	237	..	487	251	236	..	2	1	1	....	....	..	....	....	..	....	....	..	..
St. Joseph	244	127	114	3	244	127	114	3	....	....	..	....	....	..	....	....	..	....	....	..	..
Tuscola	276	136	138	2	276	136	138	2	....	....	..	....	....	..	....	....	..	....	....	..	..
Van Buren	281	152	129	..	273	150	123	..	2	....	2	5	2	3	1	....	1	....	....	..	..
Washtenaw	378	210	168	..	375	207	168	..	3	3	..	....	....	..	....	....	..	....	....	..	..
Wayne	3,543	1,923	1,616	4	3,441	1,865	1,575	1	82	45	37	13	10	3	4	3	1	3	....	..	3
Wexford	86	48	38	..	86	48	38	..	....	....	..	....	....	..	....	....	..	....	....	..	..

NATIVITY OF DECEDENTS IN MICHIGAN.

In Tables 64, 65 and 66 are presented the numbers and percentages of decedents in Michigan, by nativity, for 1887 and also for the years 1885, 1886, and the average for the ten years 1877–1886. From an examination of Table 64 it will be seen that for the year 1887 there was quite a decrease in the proportion of native-born decedents, and a corresponding increase in the ratio among the foreign-born. The per cent of native-born decedents was 2.69 less than in 1886, and 3.74 less than the average, while the per cent of foreign-born decedents was 2.04 greater than 1886 and 2.78 greater than the average. The per cent of unknown nativity was also larger than usual in 1887.

Table 65 gives the population in 1884 and the deaths in 1887, by nativity, sex and periods of age. As usual, the death-rate for the native-born is greater than for the foreign-born and also greater than for the total of all nativities. In the period under 5 this excess among the native-born is particularly noticeable, but in the adult and more advanced ages the death-rate is seen to be often greater among the foreign-born.

Table 66 continues the study of nativity and the subject is there presented by counties and sex.

TABLE 64.—*Nativity of Decedents in Michigan for the Years 1885–1887, and the Average for Ten Years, 1877–1886.*

Nativity of Decedents.	Deaths, 1885.		Deaths, 1886.		Deaths, 1887.		Av. for 10 years, ending with 1886.	
	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.
All Nativities	16,646	100.00	18,187	100.00	19,482	100.00	16,165	100.00
Native-born	12,694	76.26	14,079	77.41	14,556	74.72	12,683	78.46
Foreign-born	3,482	20.92	3,537	19.45	4,187	21.49	3,024	18.71
Unknown	470	2.82	571	3.14	739	3.79	458	2.83

TABLE 65.—*By Nativity, Sex, and Periods of Age, the Population in 1884, the Number of Deaths in 1887, and the per cent of Deaths to Inhabitants.*

Ages in Years and Periods.	Inhabitants of Michigan June 1, 1884.						Deaths in Michigan in 1887.						Death-rate; Number of Deaths to 100 living.					
	All Nativities.		Native.		Foreign.		All Nativities.		Native.		Foreign.		All Nativities		Native.		Foreign.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Totals	974,424	879,028	695,490	662,145	272,298	214,669	10,563	8,877	7,757	6,761	2,384	1,803	1.08	1.01	1.12	1.02	.88	.84
Under 5	114,852	111,116	108,681	105,166	5,972	5,763	4,107	3,245	3,961	3,075	67	80	3.58	2.92	3.64	2.92	1.12	1.39
5 to 10	110,263	107,363	96,903	94,682	13,126	12,491	487	447	446	390	37	48	.44	.42	.46	.41	.28	.38
10 to 15	99,721	96,503	86,116	83,467	13,373	12,858	270	272	237	247	29	21	.27	.28	.28	.30	.22	.16
15 to 20	92,033	91,010	72,783	72,803	18,910	17,997	365	410	279	345	79	57	.40	.45	.38	.47	.42	.32
20 to 30	190,217	163,177	122,786	115,746	65,028	46,937	850	873	505	644	299	203	.45	.54	.41	.56	.46	.43
30 to 40	139,282	116,333	80,547	74,032	57,399	41,981	652	693	324	416	299	255	.47	.60	.40	.56	.52	.61
40 to 50	97,381	85,898	53,408	52,016	43,354	33,674	592	523	273	303	290	202	.61	.61	.51	.58	.67	.60
50 to 60	68,020	56,521	37,026	32,813	30,651	23,550	695	562	331	289	335	247	1.02	.99	.89	.88	1.09	1.05
60 to 70	40,743	33,149	23,640	19,918	16,939	13,139	954	624	504	348	397	253	2.34	1.88	2.13	1.75	2.34	1.93
70 to 80	16,772	13,949	10,801	9,000	5,885	4,899	847	733	502	412	301	282	5.05	5.25	4.65	4.58	5.11	5.76
80 and over	4,034	3,659	2,617	2,377	1,389	1,263	565	386	327	234	211	136	14.01	10.55	12.50	9.84	15.19	10.77
Unknown ages	1,106	350	182	125	272	117	179	109	68	58	40	19	16.18	31.14	37.36	46.40	14.71	16.24

TABLE 66.—*Exhibiting by Number and by Sex, for the State and Counties, the Nativity of decedents returned for the Year 1887.*

State and Counties.	All Nativities, 1887.				Native.				Foreign.				Unknown.			
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.
State	19,482	10,563	8,877	42	14,556	7,757	6,761	38	4,187	2,384	1,803	..	739	422	313	4
Alcona	26	15	11	....	13	10	3	....	13	5	8	..	.....	.....	.....	..
Alger	8	5	3	....	3	2	1	....	5	3	2	..	.....	.....	.....	..
Allegan	371	186	185	....	289	148	141	....	69	31	38	..	13	7	6	..
Alpena	98	55	43	....	72	41	31	....	25	13	12	..	1	1	.....	..
Antrim	47	27	20	....	35	20	15	....	11	6	5	..	1	1	.....	..
Arenac	75	35	40	....	58	27	31	....	7	4	3	..	10	4	6	..
Baraga	23	15	7	1	14	8	5	1	9	7	2	..	.....	.....	.....	..
Barry	190	98	92	....	168	85	83	....	20	12	8	..	2	1	1	..
Bay	463	264	197	2	333	184	147	2	124	76	48	..	6	4	2	..
Benzie	36	21	15	....	31	19	12	....	4	2	2	..	1	.....	1	..
Berrien	349	195	153	1	280	146	133	1	65	46	19	..	4	3	1	..
Branch	285	150	135	....	249	132	117	....	22	9	13	..	14	9	5	..
Calhoun	388	189	197	2	322	161	159	2	56	23	33	..	10	5	5	..
Cass	171	96	75	....	154	87	67	....	15	9	6	..	2	.....	2	..
Charlevoix	71	47	24	....	40	26	14	....	15	10	5	..	16	11	5	..
Cheboygan	92	47	45	....	71	39	32	....	18	5	13	..	3	3	.....	..
Chippewa	54	31	23	....	35	21	14	....	19	10	9	..	.....	.....	.....	..
Clare	56	31	25	....	45	24	21	....	9	5	4	..	2	2	.....	..
Clinton	239	132	104	3	204	111	90	3	28	18	10	..	7	3	4	..
Crawford	29	20	9	....	21	13	8	....	6	5	1	..	2	2	.....	..
Delta	143	90	53	....	91	50	41	....	48	38	10	..	4	2	2	..
Eaton	335	173	161	1	294	151	142	1	20	12	8	..	21	10	11	..
Emmet	97	58	39	....	80	47	33	....	11	7	4	..	6	4	2	..
Genesee	281	145	136	....	238	118	119	....	31	19	12	..	13	8	5	..
Gladwin	11	6	5	....	8	4	4	....	3	2	1	..	.....	.....	.....	..
Gogebic	86	66	20	....	39	24	15	....	37	33	4	..	10	9	1	..
G'd Traverse	123	67	56	....	80	44	36	....	41	22	19	..	2	1	1	..
Gratiot	202	116	86	....	185	108	77	....	14	7	7	..	3	1	2	..
Hillsdale	299	153	146	....	270	135	135	....	14	9	5	..	15	9	6	..
Houghton	361	200	161	....	271	147	124	....	89	52	37	..	1	1	.....	..
Huron	222	122	100	....	156	86	70	....	62	34	28	..	4	2	2	..

TABLE 66.—CONTINUED.—*Deaths by Counties, by Nativity, by Sex.*

Counties.	All Nativities, 1887.				Native.				Foreign.				Unknown.			
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.
Ingham	374	171	203	....	322	142	181	....	40	23	17	..	11	6	5	..
Ionia	263	143	120	..	223	122	101	....	34	19	15	..	6	2	4	..
Iosco	105	62	43	....	65	41	24	....	37	20	17	..	3	1	2	..
Iron	46	32	14	....	25	13	12	....	7	6	1	..	14	13	1	..
Isabella	163	80	83	....	136	65	71	....	25	14	11	..	2	1	1	..
Jackson	330	172	157	1	283	148	134	1	38	21	17	..	9	3	6	..
Kalamazoo	476	273	203	....	370	208	162	....	95	59	36	..	11	6	5	..
Kalkaska	42	23	18	1	35	21	13	1	6	1	5	..	1	1	.....	..
Kent	944	496	447	1	709	364	345	1	196	106	90	..	38	26	12	..
Keweenaw	40	20	20	....	32	16	16	....	8	4	4	..	.....	.....	.....	..
Lake	23	15	8	....	17	10	7	....	5	4	1	..	1	1	.....	..
Lapeer	229	115	112	2	178	89	87	2	49	25	24	..	2	1	1	..
Leelanaw	99	56	43	....	72	37	35	....	26	19	7	..	1	.....	1	..
Lenawee	383	200	182	1	291	152	138	1	63	37	26	..	29	11	18	..
Livingston	153	88	65	....	129	75	54	....	24	13	11	..	.....	.....	.....	..
Luce	17	5	9	3	14	4	7	3	3	1	2	..	.....	.....	.....	..
Mackinac	39	20	19	....	26	13	13	....	10	4	6	..	3	3	.....	..
Macomb	327	176	150	1	253	138	114	1	73	38	35	..	1	.....	1	..
Manistee	273	130	143	....	220	108	112	....	51	20	31	..	2	2	.....	..
Manitou	12	8	4	....	7	5	2	....	5	3	2	..	.....	.....	.....	..
Marquette	385	246	139	....	215	126	89	....	154	106	48	..	16	14	2	..
Mason	93	48	45	....	81	42	39	....	11	5	6	..	1	1	.....	..
Mecosta	122	72	50	....	77	40	37	....	40	30	10	..	5	2	3	..
Menominee	327	204	118	5	211	119	89	3	94	67	27	..	22	18	2	2
Midland	79	43	36	....	66	34	32	....	12	8	4	..	1	1	.....	..
Missaukee	29	11	18	....	22	10	12	....	7	1	6	..	.....	.....	.....	..
Monroe	337	187	148	2	274	153	119	2	52	26	26	..	11	8	3	..
Montcalm	213	114	96	3	179	98	78	3	29	13	16	..	5	3	2	..
Montmorency	8	4	4	....	7	3	4	....	1	1	.....	..	.....	.....	.....	..
Muskegon	406	218	187	1	325	175	149	1	76	39	37	..	5	4	1	..
Newaygo	94	43	51	....	67	27	40	....	22	12	10	..	5	4	1	..
Oakland	379	215	162	2	279	152	125	2	90	54	36	..	10	9	1	..
Oceana	102	57	45	....	82	45	37	....	18	10	8	..	2	2	.....	..
Ogemaw	41	27	14	....	35	24	11	....	6	3	3	..	.....	.....	.....	..
Ontonagon	31	14	17	....	21	10	11	....	9	3	6	..	1	1	.....	..
Osceola	153	93	60	....	112	65	47	....	37	26	11	..	4	2	2	..

TABLE 66.—CONTINUED.—*Deaths by Counties, by Nativity, by Sex.*

Counties.	All Nativities, 1887.				Native.				Foreign.				Unknown.			
	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.
Oscoda	17	9	8	....	13	6	7	....	3	2	1	..	1	1	.....	..
Otsego	35	21	14	....	27	17	10	....	7	4	3	..	1	.....	1	..
Ottawa	368	179	189	....	248	114	134	....	115	62	53	..	5	3	2	..
Presque Isle	40	20	20	....	21	12	9	....	14	6	8	..	5	2	3	..
Roscommon	5	4	1	....	4	4	.....	....	1	.....	1	..	.....	.....	.....	..
Saginaw	894	503	391	....	639	356	282	....	227	134	93	..	29	13	16	..
Sanilac	280	145	135	....	166	84	82	....	111	60	51	..	3	1	2	..
Schoolcraft	18	12	6	....	11	6	5	....	7	6	1	..	.....	.....	.....	..
Shiawassee	160	86	74	....	122	63	59	....	30	19	11	..	8	4	4	..
St. Clair	489	252	237	....	343	167	176	....	137	81	56	..	9	4	5	..
St. Joseph	244	127	114	3	195	99	94	2	27	17	10	..	22	11	10	1
Tuscola	276	136	138	2	204	98	104	2	61	32	29	..	11	6	5	..
Van Buren	281	152	129	....	245	125	120	....	25	20	5	..	11	7	4	..
Washtenaw	378	210	168	....	276	154	122	....	79	44	35	..	23	12	11	..
Wayne	3,543	1,923	1,616	4	2,363	1,300	1,061	3	967	516	451	..	212	107	104	1
Wexford	86	48	38	....	69	40	29	....	13	6	7	..	4	2	2	..

CAUSES OF DEATH, 1887.

Having considered the mortality of the State as a whole, it is now in order to study the various causes or diseases which contributed to the deaths in 1887. The registration officers in 1887 returned the causes of deaths in 18,161 cases out of a total of 19,482, leaving 1,321 cases without a specification as to the disease or cause of death. This number is much larger than it should be and more care on the part of those whose duty it is to collect these statistics would avoid much of these imperfect records. Supervisors should feel the importance of the work, and the responsibility devolved upon them in making these returns as accurate and complete as possible. The abstract numbers of the deaths are easy to obtain, but the diseases or causes of death are often obscure, and hence the necessity of care and intelligence on the part of the registration officers. In this department of the work, very much depends upon the fidelity of physicians.

No extensive epidemic prevailed during the year, although the number of deaths returned was greater than for any previous year. The diseases in which this increase is most noticeable are typhoid fever, measles and pneumonia. By reference to Table 67, where the causes of death are arranged under the five general classes, it will be seen that they all bear a nearly constant ratio from year to year, with the exception of the zymotic diseases. It is in this class, containing as it does the contagious affections, that affords a satisfactory guide as to the condition of the health of a community; a low death rate from zymotic diseases indicating a healthy condition.

The mortality-rate from zymotic diseases was about the same in 1887 as it was in 1886; although not as high as the average for ten years, it was much higher than the rate for 1885. The various diseases of this class cause over 25 per cent of the total deaths each year, and by turning to Table 69 may be seen some of the most prominent of these diseases.

The percentage of deaths from constitutional diseases was less than that of 1886 and 1885 and also less than the ten-year average. The principal diseases of this class are consumption and cancer and they will be considered more fully on subsequent pages of this report.

Local diseases, those affecting the brain and nervous system, show a larger percentage of deaths in 1887 than the average for ten years, though not as great as in 1885. These diseases are liable, like the zymotic diseases, to changes in their degree of fatality, and by reference to Table 68, it is seen that the colder months have an excess of the deaths.

The percentage of deaths from developmental diseases, those from old age and of infants, was less in 1887 than for either of the years 1886 or 1885, but was greater than the average of ten years 1877–1886 by 2.23 per cent.

Deaths by violence were greater in number and proportion in 1887 than they were in 1886. As compared with the average of ten years the proportion was also greater. Among these deaths the following seem worthy of special mention: 82 males and 8 females lost their lives by railroad accidents; 75 males and 30 females committed suicide; 145 males and 18 females were reported drowned; 19 males and 12 females were returned as poisoned; 49 persons were burned or scalded to death; 5 from exposure; 21 from suffocation and strangulation; and 29 persons were murdered.

The proportion of deaths from unknown causes was greater in 1887 than it was in 1886 or in 1885, but less than the average.

The months in 1887 in which the deaths from all causes and from each class of causes were most numerous may be seen in Table 68.

TABLE 67.—*Number of Deaths returned from all Causes, from each Class of Causes, and the Per Cent of Deaths from each Class to Deaths from all Causes, for the Years 1885-1887, and the Average for Ten Years, 1877-1886.*

Causes of Deaths.—Classes.	1885.		1886.		1887.		Average for 10 Years, 1877-1886.	
	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.
All causes	16,646	100.00	18,187	100.00	19,482	100.00	16,165	100.00
I.—Zymotic diseases	3,623	21.76	4,639	25.51	4,873	25.01	4,429	27.40
II.—Constitutional diseases	2,879	17.30	2,963	16.30	3,085	15.84	2,673	16.54
III.—Local diseases	5,244	31.50	5,570	30.62	6,034	30.97	4,619	28.57
IV.—Developmental diseases	2,985	17.93	2,979	16.38	3,125	16.04	2,233	13.81
V.—Violent deaths	907	5.45	923	5.07	1,044	5.36	833	5.15
Unknown and unclassified	1,008	6.06	1,113	6.12	1,321	6.78	1,378	8.53

TABLE 68.—*By Months, the number of Deaths returned in Michigan from all causes and from each class of causes during the year 1887.*

Causes of Death.—Classes.	Year, 1887	Months of Death, 1887.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All causes	19,482	1249	1274	1535	1599	1472	1405	1915	2055	1916	1699	1554	1743	66
I.—Zymotic diseases	4,873	288	230	240	278	279	299	585	699	687	525	366	387	10
II.—Constitutional diseases	3,085	174	199	283	273	258	261	293	294	269	230	252	289	10
III.—Local diseases	6,034	442	511	549	543	489	421	488	519	479	497	515	563	10
IV.—Developmental diseases	3,125	196	203	278	330	258	205	289	276	261	248	270	301	10
V.—Violent deaths	1,044	54	45	71	70	100	111	131	122	85	93	60	95	7
Unknown and unclassified	1,321	95	86	114	105	88	100	129	145	135	106	91	108	19

Table 69 presents the mortality from the most destructive zymotic diseases during the twelve years 1876-1887.

It will be seen that typhoid fever and measles are the only diseases which were more fatal in 1887 than in 1886; all the other diseases being less than in 1886. Tables 70, 71, 72 and 73 which follow, show the most destructive diseases in each of the five great classes.

TABLE 69.—*Deaths in Michigan from some of the Prominent Zymotic diseases during the twelve years 1876–1887, and the average.*

Years.	Diseases.						
	Typhoid fever.	Whooping-cough.	Croup.	Diphtheria.	Measles.	Scarlet fever.	Small-pox.
1876	426	181	178	311	118	399	76
1877	446	131	164	593	62	404	102
1878	329	132	236	887	16	429	6
1879	397	162	278	1,473	167	418	6
1880	513	264	322	1,542	125	370	3
1881	884	142	380	2,063	256	383	82
1882	463	86	349	1,416	150	592	100
1883	439	92	336	1,007	258	673	5
1884	514	160	325	1,065	144	326	3
1885	387	138	337	1,054	38	245	3
1886	498	185	400	1,117	129	319	6
1887	770	110	399	935	285	318	.....
Average	506	149	309	1,122	146	406	33

TABLE 70.—*Deaths in Michigan from some of the Principal Local Diseases, returned for the Twelve Years, 1876–1887, and the Average.*

Years.	Diseases.					
	Convulsions.	Heart Disease.	Bronchitis.	Pleurisy.	Peritonitis.	Bright's Disease.
1876	185	339	43	19	8	22
1877	298	394	42	14	8	35
1878	288	368	46	16	11	32
1879	275	451	53	20	16	36
1880	348	482	50	26	12	80
1881	337	518	76	19	20	89
1882	356	562	106	16	21	138
1883	344	684	89	20	16	187
1884	436	718	98	18	27	179
1885	452	780	113	16	22	198
1886	431	725	97	20	32	214
1887	474	847	125	25	35	205
Average	352	568	78	19	19	118

TABLE 71.—*Deaths in Michigan from Chief Developmental Diseases, returned for the Twelve Years, 1876–1887, and the Average.*

Years.	Diseases.					
	Teething.	Still-born Infantile Premature	Child-birth.	Abortion.	Puerperal Convul-sions.	Old Age.
1876	77	716	141	7	6	483
1877	66	785	151	6	5	489
1878	60	858	161	7	3	579
1879	40	787	198	12	5	608
1880	49	808	193	6	2	625
1881	84	761	192	8	.....	725
1882	83	890	199	9	3	647
1883	55	1,034	221	12	4	726
1884	57	1,462	222	6	4	795
1885	49	1,612	217	12	1	773
1886	75	1,542	213	7	2	866
1887	81	1,607	223	11	1	917
Average	65	1,073	194	9	3	686

TABLE 72.—*Deaths in Michigan from some of the Prominent Violent Causes, returned for the Twelve Years, 1876–1887, and the Average.*

Years.	Burns and Scalds.	Poison.	Railroad Accident.	Drowning.	Freezing.	Homicide.	Suicide.	Totals.
1876	66	19	37	172	4	12	54	364
1877	60	21	42	103	1	14	66	307
1878	66	27	46	117	2	11	63	332
1879	64	15	40	122	5	15	59	320
1880	64	22	40	179	3	7	65	380
1881	175	25	75	125	2	15	57	474
1882	57	22	58	140	3	11	62	353
1883	65	33	109	158	.....	15	91	471
1884	69	16	73	150	1	24	104	437
1885	67	26	76	132	6	28	91	426
1886	58	18	72	144	5	30	82	409
1887	49	31	90	163	1	29	105	468
Average	72	23	63	142	3	18	76	395

TABLE 73.—*Deaths in Michigan returned from Brain Disorders, for the Twelve Years, 1876–1887, and the Average.*

Years	Softening of the Brain.	Appoplexy.	Paralysis.	Insanity.	Cephalitis and Unspecified Brain Diseases.	Totals.
1876	30	107	230	13	452	832
1877	29	85	246	17	456	833
1878	25	91	241	11	370	738
1879	25	103	262	7	400	797
1880	27	119	278	8	475	907
1881	23	110	258	10	541	942
1882	36	87	357	8	448	936
1883	22	85	345	22	439	913
1884	40	130	397	17	524	1,108
1885	36	116	400	24	491	1,067
1886	30	158	485	25	492	1,190
1887	38	135	450	33	516	1,172
Average	30	111	329	16	467	953

DEATHS IN 1887 GROUPED BY PART OF BODY DISEASED.

Each year deaths from diseases of the lungs stand first in the order of groups presented in Table 74. Although the number of deaths from diseases of lungs was greater in 1887 than for any previous year, still the percentage was less than for any year since 1882, and less than the average for ten years 1877-1886. It will be noticed that the order is the same for the years 1886, 1887, and the average, but in 1885 diseases of the brain occupy the second place, diseases of the bowels being third. The percentage of deaths from bowel diseases was greater in 1887 than in any year represented in the table, and also greater than the average.

TABLE 74.—*Order of Seven Groups of Causes of Deaths Returned for the Years 1885 to 1887, and the Average of Ten Years, 1877–1886.*

1885.			1886.			1887.			Average for 10 Years, 1877-1886.		
Disease of	Number.	Per cent to all Causes.	Disease of	Number.	Per cent to all Causes.	Disease of	Number.	Per cent to all Causes.	Disease of	Number.	Per cent to all Causes.
All causes	16,646	100.00	All causes	18,187	100.00	All causes	19,482	100.00	All causes	16,165	100.00
Lungs	3,360	20.19	Lungs	3,598	19.78	Lungs	3,711	19.05	Lungs	3,189	19.73
Brain	2,058	12.36	Bowels	2,215	12.18	Bowels	2,585	13.27	Bowels	1,917	11.86
Bowels	1,580	9.49	Brain	2,201	12.10	Brain	2,274	11.67	Brain	1,835	11.35
Throat	1,424	8.56	Throat	1,566	8.61	Throat	1,377	7.07	Throat	1,576	9.75
Heart	833	5.00	Heart	825	4.54	Heart	992	5.09	Heart	659	4.08
Kidneys	411	2.47	Kidneys	429	2.36	Kidneys	434	2.23	Kidneys	231	1.43
Liver	150	.90	Liver	122	.67	Liver	155	.80	Liver	136	.84
7 groups	9,816	58.97	7 groups	10,956	60.24	7 groups	11,528	59.17	7 groups	9,543	59.03

TABLE 75.—*Eleven Geographical Divisions of the State, with a list of Counties included in each Division.*

Upper Peninsular.	Northwestern.	Northern.	Northeastern.	Western.	Northern Central.	Eastern.	Central.	Southwestern.	Southern Central.	Southeastern.
Alger.	Benzie.	Antrim.	Alcona.	Kent.	Clare.	Arenac.	Barry.	Allegan.	Branch.	Macomb.
Baraga.a	Gr.Traverse.e	Charlevoix.	Alpena.	Lake.	Gladwin.h	Bay.	Clinton.	Berrien.	Calhoun.	Monroe.
Chippewa.b	Leelanaw.	Cheboygan.g	Iosco.	Mason.	Isabella.	Huron.	Eaton.	Cass.	Hillsdale.	Oakland.
Delta.	Manistee.f	Crawford.	Montmorency.	Muskegon.	Mecosta.	Lapeer.	Genesee.	Van Buren.	Jackson.	Wayne.
Gogebic.	Manitou.	Emmet.	Ogemaw.	Newaygo.	Midland.	Saginaw.	Gratiot.		Kalamazoo.	
Houghton.	Wexford.	Kalkaska.	Oscoda.	Oceana.	Missaukee.	Sanilac.	Ingham.		Lenawee.	
Iron.		Otsego.	Presque Isle.	Ottawa.	Osceola.	St. Clair.	Ionia.		St. Joseph.	
Isle Royal.c					Roscommon.i	Tuscola.	Livingston.		Washtenaw.	
Keweenaw.							Montcalm.			
Luce.							Shiawassee.			
Mackinac.d										
Marquette.										
Menominee.										
Ontonagon.										
Schoolcraft.										

No returns of deaths from the following townships:
a Spurr.
b Detour and Drummond.
c All townships.
d Garfield.
e Green Lake.
f Maple Grove.
g Beaugrand.
h Billings and Buckeye.
i Higgins.

DEATHS, 1887, BY CLASSES OF CAUSES, BY DIVISIONS OF THE STATE.

The comparative healthfulness of the different sections of Michigan must always be a subject of general interest, and for this reason Table 76 has been prepared and shows for the year 1887 the distribution of mortality in each of the eleven geographical divisions of the State.

Based upon the population of 1884, it is seen that the death-rate has diminished from that in 1886 in the northeastern division only, and has increased in all the others. This corresponds with the increase in the number of deaths in each division, the only exception being the northeastern, in which there was a decrease of 20.

The central division shows the lowest death-rate in 1887 of all the eleven geographical divisions and the southeastern the highest. In 1886, the divisions showing the lowest and highest, respectively, were the central and southeastern divisions.

In the State, the largest proportion of deaths was caused by local diseases, and the smallest from violent deaths. In the Upper Peninsular, northwestern and northern central divisions the largest proportion of deaths was from the zymotic diseases, while in all the other divisions the largest percentage of deaths was from local diseases.

The various diseases included in each of these classes, and the counties in which they occurred may be seen in Table 77.

TABLE 76.—*Exhibiting, by Geographical Divisions, the Number of Deaths, the Per Cent of Deaths in 1887 to Population in 1884, the Per Cent of Deaths for each Division to Total Deaths for the State, and the Per Cent of Deaths from each Class to Total of all Classes.*

State and Geographical Divisions.	Population June 1, 1884, represented by deaths in 1887.	Deaths Reported, 1887.		Per cent of all deaths in 1887 to population in 1884.	Per Cent of Deaths from each Class of Causes to Deaths from all Causes, by Geographical Divisions.					
		Number.	Per cent of total.		Class I.—Zymotic diseases.	Class II.—Constitutional diseases.	Class III.—Local diseases.	Class IV.—Developmental diseases.	Class V.—Violent deaths.	Unknown and unclassified.
State	1,846,656	19,482	100.00	1.05	25.01	15.84	30.97	16.04	5.36	6.78
Upper Peninsular	114,913	1,578	8.10	1.37	31.24	9.32	21.10	16.48	11.15	10.71
Northwestern	54,786	629	3.23	1.15	29.09	12.88	22.10	18.60	4.77	12.56
Northern	45,985	413	2.12	.90	20.82	14.05	24.21	17.19	12.35	11.38
Northeastern	37,233	335	1.72	.90	19.70	11.34	24.78	18.81	9.55	15.82
Western	209,554	2,030	10.42	.97	28.03	17.05	28.81	16.16	4.63	5.32
Northern Central	71,411	618	3.17	.87	27.35	17.47	26.54	14.72	6.15	7.77
Eastern	291,713	2,928	15.03	1.00	24.05	15.98	31.42	16.46	4.61	7.48
Central	299,364	2,410	12.37	.81	21.91	17.18	37.97	13.69	4.60	4.65
Southwestern	127,985	1,172	6.02	.92	22.67	18.26	32.59	16.81	4.52	4.95
Southern Central	299,000	2,783	14.28	.93	19.73	18.29	38.09	14.44	4.89	4.56
Southeastern	294,712	4,586	23.54	1.56	27.43	15.31	29.50	17.10	4.10	6.56

TABLE 77.—CAUSES OF DEATH.—Nosological Arrangement.

Exhibiting the Number of Deaths returned in Michigan, and in each County of the State, during the year 1887, from Specified Causes Statistically Classified (Still-births Included).

Causes of Death, 1887.	State.	Counties, 1887.																									
		Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.
All Causes	19,482	26	8	371	98	47	75	23	190	463	36	349	285	388	171	71	92	54	56	239	29	143	335	97	281	11	86
Specified Causes	18,228	24	6	354	87	46	65	23	187	435	34	335	276	372	162	63	81	47	52	229	27	131	313	89	272	11	84
Causes not Specified	1,254	2	2	17	11	1	10	....	3	28	2	14	9	16	9	8	11	7	4	10	2	12	22	8	9	....	2
CLASSES.																											
I.—Zymotic Diseases	4,873	1	1	82	14	6	26	8	52	118	12	79	45	80	34	10	29	15	17	62	13	58	79	12	47	....	37
II.—Constitutional Diseases	3,085	5	....	60	10	2	9	3	33	60	6	68	60	67	36	12	8	9	8	29	1	17	64	25	47	3	6
III.—Local Diseases	6,034	12	1	119	28	24	12	7	72	143	12	118	115	139	65	14	17	14	14	90	8	15	122	20	113	3	22
IV.—Developmental Diseases	3,125	4	....	75	23	9	15	3	23	74	3	52	42	67	15	6	19	7	10	35	4	26	36	19	49	3	5
V.—Violent Deaths	1,044	2	4	16	12	5	2	2	7	35	1	18	13	19	10	21	7	1	3	13	1	12	12	12	15	2	14
Unclassified	67	....	....	2	....	....	1	....	....	5	....	....	1	....	2	....	1	1	....	....	....	3	....	1	1	....	....
ORDERS.																											
I.- 1. Miasmatic Diseases	4,840	1	1	82	14	6	26	8	52	117	12	78	45	79	34	10	29	14	17	62	13	56	79	12	47	....	37
2. Enthetic Diseases	7	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Dietic Diseases	17	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	2	....	....	....	....	....
4. Parasitic Diseases	9	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
II.—1. Diathetic Diseases	840	....	....	21	5	1	1	....	9	16	2	13	23	19	11	3	3	....	3	11	1	2	16	3	9	1	1
2. Tubercular Diseases	2,245	5	....	39	5	1	8	3	24	44	4	55	37	48	25	9	5	9	5	18	....	15	48	22	38	2	5

III.—1. Diseases of Nervous System	2,119	2	....	40	10	4	1	2	13	44	5	43	37	50	26	6	4	2	6	29	2	5	51	3	33	2	....
2. Diseases of Organs of Circulation	975	...	....	22	4	4	2	2	17	17	1	19	31	35	17	2	2	2	3	21	2	1	15	3	22	....	....
3. Diseases of Respiratory Organs	1,433	4	....	31	11	7	5	....	11	45	2	29	24	29	17	2	7	8	3	15	2	4	16	6	24	1	20
4. Diseases of Digestive Organs	898	4	....	14	...	7	3	1	17	21	1	20	12	15	4	2	3	1	1	16	2	5	22	4	19	....	1
5. Diseases of Urinary Organs	438	1	....	10	2	2	1	2	10	9	3	3	9	9	1	2	1	1	1	8	....	....	15	2	10	....	1
6. Diseases of Generative Organs	27	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
7. Diseases of Organs of Locomotion	9	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Diseases of Integumentary System	120	1	...	2	....	....	....	....	4	3	...	3	2	2	....	....	....	....	....	1	....	....	2	2	5	....	....
IV.—1. Developmental Dis. of Children	1,710	4	....	26	9	7	13	3	11	48	2	20	19	36	6	4	13	6	7	20	1	21	23	10	19	3	5
2. Developmental Dis. of Women	250	...	....	7	1	1	....	....	1	3	....	1	1	4	1	2	3	1	1	4	2	1	1	1	6	....	....
3. Developmental Dis. of Old People	917	....	....	40	8	1	2	....	10	12	1	29	20	26	7	....	3	....	2	9	....	2	11	8	18	....	....
4. Diseases of Nutrition	218	...	....	2	5	....	....	....	1	11	....	2	2	1	1	....	....	....	....	2	1	2	1	....	6	....	....
V.—1. Accident or Negligence	525	2	2	10	6	4	1	2	2	25	1	13	6	7	3	19	5	1	1	7	1	9	7	10	8	2	5
2. Battle	.....	...	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Homicide	29	....	....	....	2	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	1	1	1	....	....
4. Suicide	105	....	....	1	....	....	....	....	1	1	....	2	1	2	1	1	....	....	....	1	....	1	....	....	2	....	....
5. Execution	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Violent Deaths	385	....	2	5	4	1	1	....	4	9	....	3	4	9	6	1	2	....	2	5	....	2	4	1	4	....	9
CLASS I.—ZYMOTIC	4,873	1	1	82	14	6	26	8	52	118	12	79	45	80	34	10	29	15	17	62	13	56	79	12	47	....	37
I.—ORDER 1. Miasmatic	4,840	1	1	82	14	6	26	8	52	117	12	78	45	79	34	10	29	14	17	62	13	56	79	12	47	....	37
1. Small-pox	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Measles	285	....	....	3	1	....	4	...	1	17	....	3	....	....	1	....	....	3	....	1	....	1	4	....	1	....	....
3. Scarlatina	318	....	....	1	1	....	....	....	4	6	....	2	....	4	....	....	....	....	2	1	....	....	3	1	1	....	1
4. Diphtheria	935	....	....	3	3	1	17	....	8	24	7	9	4	13	....	....	6	1	....	2	4	1	9	3	8	....	12
5. Quinsy	11	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Croup	399	....	....	10	....	2	....	....	1	13	....	8	3	6	....	3	2	....	2	3	3	....	8	1	....	....	3

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	State.	Counties, 1887.																									
		Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.
3. Phthisis (Consumption of Lungs)	2,167	5	....	38	5	1	8	3	22	44	4	55	36	46	23	9	5	8	5	17	....	15	48	22	37	2	2
4. Hydrocephalus	5	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1
5. Marasmus	21	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2
CLASS III.—LOCAL DISEASES	6,034	12	1	119	28	24	12	7	72	143	12	118	115	139	65	14	17	14	14	90	8	15	122	29	113	3	22
III.—ORDER 1. Nervous System	2,119	2	....	40	10	4	1	2	13	44	5	43	37	50	26	6	4	2	6	29	2	5	51	3	33	2	....
1. Cephalitis	319	2	....	5	3	2	....	....	2	21	1	4	2	4	6	....	1	....	....	3	....	1	2	....	4	1	....
2. Apoplexy	135	....	....	5	....	....	....	....	....	....	1	4	4	2	3	....	....	....	....	2	....	1	7	....	4	....	....
3. Paralysis	489	....	....	12	1	....	....	....	5	2	....	11	17	22	11	2	....	....	2	12	....	....	17	1	9	....	....
4. Insanity	34	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	....	....	1	....	2	....	....
5. Chorea	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Epilepsy	54	....	....	4	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	5	....	....	....	....
7. Tetanus	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Convulsions	474	....	....	8	2	....	....	1	2	5	....	6	1	6	....	2	....	1	....	....	....	1	3	....	5	....	....
9. Brain Disease	362	....	....	2	3	....	....	1	3	9	2	15	8	7	2	....	2	1	4	6	1	....	8	....	7	....	....
9. Dropsy of Brain	57	....	....	1	1	2	....	....	....	1	....	1	....	....	....	....	....	....	....	1	....	1	....	1	1	....	....
10. Spinal Fever	79	....	....	1	....	....	1	....	1	....	....	1	4	3	3	....	....	....	....	3	....	....	2	....	1	1	....
11. Spotted Fever	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12. Meningitis	20	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
13. Meningitis, Cerebro-Spinal	5	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....
14. Meningitis, Spinal	77	....	....	1	....	....	....	....	....	5	....	1	....	5	1	1	....	....	....	....	....	....	6	1	....	....	....

15. Neuralgia																												
16. Spine Disease	1																											
17. Spine, Inflammation of	2																											
18. Frightened																												
III.—Order 2. Organs of Circulation	975			22	4	4	2	2	17	17	1	19	31	35	17	2	2	2	3	21	2	1	15	3	22		
1. Pericarditis	109			2		2			4	2		5	3	9	2	1				6			3		5		
2. Aneurism	21																											
3. Heart Disease	845			20	4	2	2	2	13	15	1	14	28	26	15	1	2	2	3	15	2	1	12	3	17		
4. Emboli																												
III.—Order 3. Respiratory Organs	1,436	4		31	11	7	5		11	45	2	29	24	28	17	2	7	8	3	15	2	4	16	6	24	1	20
1. Epistaxis																												
2. Laryngitis	4																											
3. Bronchitis	125			1	1							1		2	1			1							1		1	
4. Pleurisy	29	1								2		1		2														
5. Pneumonia	986	3		23	8	6	5		7	28	2	23	17	20	13	1	6	7	3	5	2	3	11	6	18		17
6. Asthma	59			1								1	2	2						5		1	1		1		1
7. Lung Disease	235			6	1				3	15		3	5	1	3	1				4			4		3	1	1
8. Catarrh	20				1									1			1			1					1		
III.—Order 4. Digestive Organs	898	4		14		7	3	1	17	24	1	20	12	15	4	2	3	1	1	16	2	5	22	4	19		1
1. Gastritis	60			1			1		3	2		1				1	1					1	1				
2. Enteritis	340			3		5	1	1	4	16		8	2	5		1	1			7		3	12	2	10		1
3. Peritonitis	35												1	2						2			1		2		
4. Ascites	7																			1					1		
5. Ulceration of Intestines	9											1		1									2				
6. Hernia	26			1					1				2					1	1				2		1		
7. Obstruction of Bowels	4									1																	

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																										
	State.	Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.
8. Intussusception	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Stricture of Intestines	9	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Fistula	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11. Stomach Diseases	172	3	...	3	...	...	...	...	2	1	1	7	4	2	2	...	...	...	...	1	...	1	2	2	1	...	...
12. Pancreas Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13. Hepatitis	14	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
14. Biliary Calculus	7	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14. Jaundice	23	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...
15. Liver Disease	111	1	...	2	...	...	1	...	2	2	...	2	2	3	2	...	...	...	...	1	...	...	...	...	2	...	...
16. Spleen Disease	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
17. Bowel Diseases, etc.	74	...	...	2	...	1	...	...	3	1	...	1	1	1	...	...	...	...	...	1	2	...	...	...	2	...	...
18. Mouth Disease	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
III.—ORDER 5. Urinary Organs	438	1	...	10	2	2	1	2	10	9	3	3	9	9	1	2	1	1	1	8	...	...	15	2	10	...	1
1. Nephritis	21	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	...
2. Ischuria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Bright's Disease of Kidneys	205	...	...	4	1	1	1	2	3	5	2	1	4	2	1	...	1	...	1	3	...	...	4	1	7	...	1
4. Diabetes	61	1	...	2	...	...	...	...	2	1	1	1	3	4	...	...	...	...	...	...	...	...	3	...	1	...	...
5. Calculus (gravel, etc.)	17	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Cystitis	24	...	...	...	...	...	...	...	1	1	...	...	1	...	...	1	...	...	...	2	...	...	...	...	...	...	...
7. Kidney Disease	110	...	...	2	...	1	...	...	4	2	...	1	1	3	...	1	...	1	...	2	...	...	6	1	2	...	...

III. Order 6. Generative Organs	27									1													1				
1. Ovarian Disease	1									1																	
1. Ovarian Tumor	6																						1				
2. Disease of Uterus	20																										
3. Hydrocele																											
III. Order 7. Organs of Locomotion	9				1																						
1. Arthritis	2																										
2. Joint Diseases	7				1																						
III. Order 8. Integumentary System	130	1		2					4	3		3	2	2						1			2	2	5		
1. Phlegmon	46			1					2	1		1	1	1						1			1	2	2		
2. Ulcers	14									1																	
3. Skin Disease	70	1		1					2	1		2	1	1									1		3		
Class IV.—Developmental Diseases	3,125	4		75	23	9	15	3	23	74	3	52	42	67	15	6	19	7	10	35	4	26	36	19	49	3	5
IV.—Order 1. Dev. Dis. of Children	1,710	4		26	9	7	13	3	11	48	2	20	19	36	6	4	13	6	7	20	1	21	23	10	19	3	5
1. Still-born	897	2		12	6	3	1	1	5	21	1	10	10	19		2	3	2	5	14	1	12	13	2	10	3	3
2. Infantile	658	2		13		3	12		6	22		8	7	14	4	2	9	3	2	6		7	9	7	9		1
2. Premature Birth	52			1		1				4				2	2							1					
3. Cyanosis																											
4. Spina Bifida	1																										
5. Other Malformations	11																						1	1			
6. Teething	81				3			2		1							1	1				1					1
7. Injury at Birth	10												2	1													
IV.—Order 2. Dev. Dis. of Women	250			7	1	1			1	3		1	1	4	1	2	3	1	1	4	2	1	1	1	6		
1. Dysmenorrhea																											
1. Turn of Life	9			1													1										

TABLE 77.—CAUSES OF DEATH.—Nosological Arrangement.

Exhibiting the Number of Deaths returned in Michigan, and in each County of the State, during the year 1887, from Specified Causes Statistically Classified (Still-births Included).

Causes of Death, 1887.	State.	Counties, 1887.																									
		Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.
All Causes	19,482	26	8	371	98	47	75	23	190	463	36	349	285	388	171	71	92	54	56	239	29	143	335	97	281	11	86
Specified Causes	18,228	24	6	354	87	46	65	23	187	435	34	335	276	372	162	63	81	47	52	229	27	131	313	89	272	11	84
Causes not Specified	1,254	2	2	17	11	1	10	....	3	28	2	14	9	16	9	8	11	4	4	10	2	12	22	8	9	....	2
CLASSES.																											
I.—Zymotic Diseases	4,873	1	1	82	14	6	26	8	52	118	12	79	45	80	34	10	29	15	17	62	13	58	79	12	47	....	37
II.—Constitutional Diseases	3,085	5	....	60	10	2	9	3	33	60	6	68	60	67	36	12	8	9	8	29	1	17	64	25	47	3	6
III.—Local Diseases	6,034	12	1	119	28	24	12	7	72	143	12	118	115	139	65	14	17	14	14	90	8	15	122	20	113	3	22
IV.—Developmental Diseases	3,125	4	....	75	23	9	15	3	23	74	3	52	42	67	15	6	19	7	10	35	4	26	36	19	49	3	5
V.—Violent Deaths	1,044	2	4	16	12	5	2	2	7	35	1	18	13	19	10	21	7	1	3	13	1	12	12	12	15	2	14
Unclassified	67	....	....	2	....	....	1	....	....	5	....	....	1	....	2	....	1	1	....	....	....	3	....	1	1	....	....
ORDERS.																											
I.- 1. Miasmatic Diseases	4,840	1	1	82	14	6	26	8	52	117	12	78	45	79	34	10	29	14	17	62	13	56	79	12	47	....	37
2. Enthetic Diseases	7	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Dietic Diseases	17	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	2	....	....	....	....	....
4. Parasitic Diseases	9	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
II.—1. Diathetic Diseases	840	....	....	21	5	1	1	....	9	16	2	13	23	19	11	3	3	....	3	11	1	2	16	3	9	1	1
2. Tubercular Diseases	2,245	5	....	39	5	1	8	3	24	41	4	55	37	48	25	9	5	9	5	18	....	15	48	22	38	2	5

III.—1. Diseases of Nervous System	2,119	2	...	40	10	4	1	2	13	44	5	43	37	50	26	6	4	2	6	29	2	5	51	3	33	2	....
2. Diseases of Organs of Circulation	975	...	...	22	4	4	2	2	17	17	1	19	31	35	17	2	2	2	3	21	2	1	15	3	22	....	....
3. Diseases of Respiratory Organs	1,438	4	...	31	11	7	5	....	11	45	2	29	24	28	17	2	7	8	3	15	2	4	16	6	24	1	20
4. Diseases of Digestive Organs	898	4	...	14	...	7	3	1	17	24	1	20	12	15	4	2	3	1	1	16	2	5	22	4	19	....	1
5. Diseases of Urinary Organs	438	1	...	10	2	2	1	2	10	9	3	3	9	9	1	2	1	1	1	8	....	....	15	2	10	....	1
6. Diseases of Generative Organs	27	....	1	....	....	.	....	....	....	1	....	....	....	..	....	....	....	....	....	..	....	....	1	....	..	....	....
7. Diseases of Organs of Locomotion	9	....	....	....	1	.	....	....	....	....	....	1	....	..	....	....	....	....	....	..	....	....	....	....	..	....	....
8. Diseases of Integumentary System	130	1	...	2	....	.	....	....	4	3	..	3	2	2	....	....	....	....	....	1	....	....	2	2	5	....	....
IV.—1. Developmental Dis. of Children	1,710	4	...	26	9	7	13	3	11	48	2	20	19	36	6	4	13	6	7	20	1	21	23	10	19	3	5
2. Developmental Dis. of Women	250	...	...	7	1	1	....	....	1	3	..	1	1	4	1	2	3	1	1	4	2	1	1	1	6	....	....
3. Developmental Dis. of Old People	917	...	...	40	8	1	2	....	10	12	1	29	20	26	7	....	3	....	2	9	....	2	11	8	18	....	....
4. Diseases of Nutrition	218	...	...	2	5	.	....	....	1	11	..	2	2	1	1	....	....	....	....	2	1	2	1	....	6	....	....
V.—1. Accident or Negligence	525	2	2	10	6	4	1	2	2	25	1	13	6	7	3	19	5	1	1	7	1	9	7	10	8	2	5
2. Battle	....	....	....	....	....	.	....	....	....	....	..	....	....	..	....	....	....	....	....	..	....	....	....	....	..	....	....
3. Homicide	20	....	....	....	2	.	....	....	....	....	..	....	2	1	....	....	....	....	....	..	....	....	1	1	1	....	....
4. Suicide	105	....	....	1	....	.	....	....	1	1	..	2	1	2	1	1	....	....	....	1	....	1	....	....	2	....	....
5. Execution	....	....	....	....	....	.	....	....	....	....	..	....	....	..	....	....	....	....	....	..	....	....	....	....	..	....	....
6. Violent Deaths	385	....	2	5	4	1	1	....	4	9	..	3	4	9	6	1	2	....	2	5	....	2	4	1	4	....	9
CLASS I.—ZYMOTIC	4,873	1	1	82	14	6	26	8	52	118	12	79	45	80	34	10	29	15	17	62	13	58	79	12	47	....	37
I.—ORDER 1. Miasmatic	4,840	1	1	82	14	6	26	8	52	117	12	78	45	79	34	10	29	14	17	62	13	56	79	12	47	....	37
1. Small-pox	1	....	....	....	....	.	....	....	....	1	..	....	....	..	....	....	....	....	....	..	....	....	....	....	..	....	....
2. Measles	285	....	....	3	1	....	4	....	1	17	....	3	....	....	1	....	....	3	....	1	....	1	4	....	1	....	....
3. Scarlatina	318	....	....	1	1	....	....	....	4	6	....	2	....	4	....	....	....	....	2	1	....	....	3	1	1	....	1
4. Diphtheria	935	....	....	3	3	1	17	....	8	24	7	9	4	13	....	....	6	1	....	2	4	1	9	3	8	....	12
5. Quinsy	11	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Croup	399	....	....	10	....	2	....	....	1	13	....	8	3	6	....	3	2	....	2	3	3	....	8	1	....	....	3

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	State.	Counties, 1887.																											
		Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Aragn	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.
7. Whooping-cough	110	....	....	3	....	....	1	....	....	6	2	1	....	2	1	....	1	3	1	2	....	2	4	....	2	....	....
8. Typhoid Fever	771	....	1	10	....	1	....	7	9	6	1	20	9	11	6	1	3	....	3	24	....	34	12	2	7	....	13
8. Typhus Fever	7	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	3	....	....	....	....	....	....	....	....	....	....
8. Typho-malarial Fever	52	....	....	1	....	....	....	....	....	1	....	....	....	3	....	....	....	....	....	....	....	....	1	....	3	....	2
9. Erysipelas	191	1	....	4	....	....	....	....	3	4	....	3	7	3	3	1	1	....	1	5	....	1	3	....	4	....	....
10. Puerperal Fever	29	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	1	....	....	....	1	....	....	....	....
11. Carbuncle	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12. Influenza	10	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13. Dysentery	183	....	....	14	....	....	....	....	7	1	....	5	2	5	7	....	....	1	....	4	4	....	8	1	1	....	....
14. Diarrhea	414	....	....	5	3	....	1	....	2	11	....	....	1	4	5	....	6	1	....	3	2	3	5	1	....	....	2
15. Cholera Infantum	626	....	....	18	4	1	3	1	11	14	1	14	8	15	8	3	6	....	3	7	....	10	13	2	11	....	2
16. Cholera Morbus	57	....	....	1	2	....	....	....	....	4	....	3	....	....	1	....	....	3	....	....	....	3	....	....	3	....	....
16. Cholera	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
17. Ague	170	....	....	2	....	....	....	....	3	3	....	2	3	3	....	....	....	....	1	7	....	1	4	....	....	....	....
18. Remittent Fever	110	....	....	3	....	1	....	....	....	4	....	....	3	1	2	....	....	2	2	2	....	....	2	1	....	....	....
19. Rheumatism	158	....	....	4	....	....	....	....	3	1	1	6	5	6	....	1	1	....	1	1	....	....	2	....	6	....	2
20. Leprosy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
I.—ORDER 2. Enthetic	7	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Syphilis	5	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Stricture of Urethra	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Stricture	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

3. Hydrophobia	2																											
4. Glanders																												
I.—Order 3. Dietic	17								1								1				2							
1. Privation																												
2. Purpura																												
2. Rachitis	1																											
2. Scurvy																												
3. Delirium Tremens (Alcoholism)	7																				1							
4. Intemperance	8								1								1				1							
5. Opium Eating	1																											
I.—Order 4. Parasitic	9												1															
1. Thrush	3												1															
2. Worms	6																											
3. Disease of Scalp																												
Class II.—Constitutional	3,085	5		60	10	2	9	3	33	60	6	68	60	67	36	12	8	9	8	29	1	17	64	25	47	3	6	
II.—Order 1. Diathetic	840			21	5	1	1		9	16	2	13	23	19	11	3	3		3	11	1	2	16	3	9	1	1	
1. Gout																												
2. Anaemia	8													1														
2. Dropsy	338			10	1	1	1		2	4		8	6	5	4	1	1		3	3	1	1	7	2	3			
3. Cancer	453			11	1				7	9	1	5	16	13	6	2	2			8		1	7	1	6	1	1	
4. Noma (Canker)	28				3					2	1												6					
5. Mortification	13									1			1		1								2					
II.—Order 2. Tubercular	2,245	5		39	5	1	8	3	24	44	4	55	37	48	25	9	5	9	5	18		15	48	22	38	2	5	
1. Scrofula	28			1					1						2					1								
2. Consumption of Bowels	24								1					2				1							1			

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	State.	Counties, 1887.																									
		Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.
3. Phthisis (Consumption of Lungs)	2,167	5	....	38	5	1	8	3	22	44	4	55	36	46	23	9	5	8	5	17	....	15	48	22	37	2	2
4. Hydrocephalus	5	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1
5. Marasmus	21	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2
CLASS III.—LOCAL DISEASES	6,034	12	1	119	28	24	12	7	72	143	12	118	115	139	65	14	17	14	14	90	8	15	122	20	113	3	23
III.—ORDER 1. Nervous System	2,119	2	....	40	10	4	1	2	13	44	5	43	37	50	26	6	4	2	6	29	2	5	51	3	33	2	....
1. Cephalitis	319	2	....	5	3	2	....	....	2	21	1	4	2	4	6	....	1	....	....	3	....	1	2	....	4	1	....
2. Apoplexy	135	....	....	5	....	....	....	....	....	....	1	4	4	2	3	....	....	....	....	2	....	1	7	....	4	....	....
3. Paralysis	489	....	....	12	1	....	....	....	5	2	....	11	17	22	11	2	....	....	2	12	....	....	17	1	9	....	....
4. Insanity	34	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	....	....	1	....	2	....	....
5. Chorea	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Epilepsy	54	....	....	4	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	5	....	....	....	....
7. Tetanus	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Convulsions	474	....	....	8	2	....	....	1	2	5	....	6	1	6	....	2	....	1	....	....	....	1	3	....	5	....	....
9. Brain Disease	362	....	....	2	3	....	....	1	3	9	2	15	8	7	2	....	2	1	4	6	1	....	8	....	7	....	....
9. Dropsy of Brain	57	....	....	1	1	2	....	....	....	1	....	1	....	....	....	....	....	....	....	1	....	1	....	1	1	....	....
10. Spinal Fever	79	....	....	1	....	....	1	....	1	....	....	1	4	3	3	....	....	....	....	3	....	....	2	....	1	1	....
11. Spotted Fever	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12. Meningitis	20	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
13. Meningitis, Cerebro-Spinal	5	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....
14. Meningitis, Spinal	77	....	....	1	....	....	....	....	....	5	....	1	....	5	1	1	....	....	....	....	....	....	6	1	....	....	....

15. Neuralgia																												
16. Spine Disease	1																											
17. Spine, Inflammation of	2																											
18. Frightened																												
III.—Order 2. Organs of Circulation	975			22	4	4	2	2	17	17	1	19	31	35	17	2	2	2	3	21	2	1	15	3	22		
1. Pericarditis	109			2		2			4	2		5	3	9	2	1				6			3		5		
2. Aneurism	21																											
3. Heart Disease	845			20	4	2	2	2	13	15	1	14	28	26	15	1	2	2	3	15	2	1	12	3	17		
4. Emboli																												
III.—Order 3. Respiratory Organs	1,438	4		31	11	7	5		11	45	2	29	24	28	17	2	7	8	3	15	2	4	16	6	24	1	20
1. Epistaxis																												
2. Laryngitis	4																											
3. Bronchitis	125			1	1				1			1		2	1			1							1		1
4. Pleurisy	29	1								2		1		2														
5. Pneumonia	966	3		23	8	6	5		7	28	2	23	17	20	13	1	6	7	3	5	2	3	11	6	18		17
6. Asthma	59			1								1	2	2						5		1	1		1		1
7. Lung Disease	235			6	1				3	15		3	5	1	3	1				4			4		3	1	1
8. Catarrh	20				1	1								1			1			1					1		
III.—Order 4. Digestive Organs	898	4		14		7	3	1	17	24	1	20	12	15	4	2	3	1	1	16	2	5	22	4	19		1
1. Gastritis	60			1			1		3	2		1				1	1			1		1	1				
2. Enteritis	340			3		5	1	1	4	16		8	2	5		1	1			7		3	12	2	10		1
3. Peritonitis	35												1	2						2			1		2		
4. Ascites	7																			1					1		
5. Ulceration of Intestines	9											1		1						1			2				
6. Hernia	26			1					1				2					1	1				2		1		
7. Obstruction of Bowels	4									1																	

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																											
	State.	Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.
8. Intussusception	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9. Stricture of Intestines	9	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10. Fistula	3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11. Stomach Diseases	172	3	----	3	----	----	----	----	2	1	1	7	4	2	2	----	----	----	----	1	----	1	2	2	1	----	----
12. Pancreas Diseases	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	14	----	----	----	----	----	----	----	----	1	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Biliary Calculus	7	----	----	2	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Jaundice	23	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----
15. Liver Disease	111	1	----	2	----	----	1	----	2	2	----	2	2	3	2	----	----	----	----	1	----	----	----	----	2	----	----
16. Spleen Disease	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----
17. Bowel Diseases, etc.	74	----	----	2	----	1	----	----	3	1	----	1	1	1	----	----	----	----	----	1	2	----	----	----	2	----	----
18. Mouth Disease	3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	438	1	----	10	2	2	1	2	10	9	3	3	9	9	1	2	1	1	1	8	----	----	15	2	10	----	1
1. Nephritis	21	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	2	----	----	----	----
2. Ischuria	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	205	----	----	4	1	1	1	2	3	5	2	1	4	2	1	----	1	----	1	3	----	----	4	1	7	----	1
4. Diabetes	61	1	----	2	----	----	----	----	2	1	1	1	3	4	----	----	----	----	----	----	----	----	3	----	1	----	----
5. Calculus (gravel, etc.)	17	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Cystitis	24	----	----	----	----	----	----	----	1	1	----	----	1	----	----	1	----	----	----	2	----	----	----	----	----	----	----
7. Kidney Disease	110	----	----	2	----	1	----	----	4	2	----	1	1	3	----	1	----	1	----	2	----	----	6	1	2	----	----

III. Order 6. Generative Organs	27	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
1. Ovarian Disease	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Ovarian Tumor	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
2. Disease of Uterus	20	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Hydrocele	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III. Order 7. Organs of Locomotion	9	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Arthritis	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Joint Diseases	7	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III. Order 8. Integumentary System	130	1	....	2	....	....	....	....	4	3	....	3	2	2	....	....	....	....	....	1	....	....	2	2	5	....	....
1. Phlegmon	46	....	....	1	....	....	....	....	2	1	....	1	1	1	....	....	....	....	....	1	....	....	1	2	2	....	....
2. Ulcers	14	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Skin Disease	70	1	....	1	....	....	....	....	2	1	....	2	1	1	....	....	....	....	....	....	....	....	1	....	3	....	....
Class IV.—Developmental Diseases	3,125	4	....	75	23	9	15	3	23	74	3	52	42	67	15	6	19	7	10	35	4	26	36	19	49	3	5
IV.—Order 1. Dev. Dis. of Children	1,710	4	....	26	9	7	13	3	11	48	2	20	19	36	6	4	13	6	7	20	1	21	23	10	19	3	5
1. Still-born	897	2	....	12	6	3	1	1	5	21	1	10	10	19	....	2	3	2	5	14	1	12	13	2	10	3	3
2. Infantile	658	2	....	13	....	3	12	....	6	22	1	8	7	14	4	2	9	3	2	6	....	7	9	7	9	....	1
2. Premature Birth	52	....	....	1	....	1	....	....	....	4	....	1	....	2	2	....	....	....	....	....	....	1	....	....	....	....	....
3. Cyanosis	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Spina Bifida	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Other Malformations	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....
6. Teething	81	....	....	....	3	....	....	2	....	1	....	1	....	....	....	....	1	1	....	....	....	1	....	....	....	....	1
7. Injury at Birth	10	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
IV.—Order 2. Dev. Dis. of Women	250	....	....	7	1	1	....	....	1	3	....	1	1	4	1	2	3	1	1	4	2	1	1	1	6	....	....
1. Dysmenorrhea	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Turn of Life	9	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	State.	Counties, 1857.																										
		Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.
2. Child-birth	229	....	....	4	1	1	....	....	1	3	....	1	1	4	1	2	2	1	1	4	2	1	....	1	6	....	....
2. Abortion	11	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
2. Uterine Hemorrhage	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
IV.—ORDER 3. Dev. Dis. of Old People	917	....	....	40	8	1	2	....	10	12	1	29	20	26	7	....	3	....	2	9	....	2	11	8	18	....	....
1. Old Age	917	....	....	40	8	1	2	....	10	12	1	29	20	26	7	....	3	....	2	9	....	2	11	8	18	....	....
IV.—ORDER 4. Diseases of Nutrition	248	....	....	2	5	....	....	....	1	11	....	2	2	1	1	....	....	....	....	2	1	2	1	....	6	....	....
1. Atrophy and Debility	248	....	....	2	5	....	....	....	1	11	....	2	2	1	1	....	....	....	....	2	1	2	1	....	6	....	....
CLASS V.—VIOLENT DEATHS	1,044	2	4	16	12	5	2	2	7	35	1	18	13	19	10	21	7	1	3	13	1	12	12	12	15	2	14
V.—ORDER 1. Accident or Negligence	525	2	2	10	6	4	1	2	2	25	1	13	6	7	3	19	5	1	1	7	1	9	7	10	8	2	5
1. Fractures and Contusions	125	1	....	1	....	1	1	1	....	4	....	4	1	1	....	1	....	....	....	3	..	3	2	....	4	2	3
2. Wounds	22	....	....	2	1	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	1	....	....	2
3. Burns and Scalds	49	....	....	1	1	....	....	....	....	2	....	2	2	1	....	....	1	1	....	....	....	1	....	1	....	....	....
4. Poison	36	....	....	....	....	....	....	....	....	3	....	3	2	....	....	2	....	....	....	....	....	....	....	2	....	....	....
5. Drowning	163	1	1	5	2	1	....	1	....	8	1	4	....	3	2	14	1	....	1	2	....	1	3	6	2	....	....
6. Suffocation	25	....	....	1	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	..	....	1	....	....	....	....
7. Otherwise	105	....	1	....	2	....	....	....	2	8	....	....	....	2	....	2	3	....	....	1	....	4	1	1	1	....	....
V.—ORDER 2. In Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	29	....	....	....	2	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	1	1	1	....	....
1. Murder	29	....	....	....	2	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	1	1	1	....	....

III.—Order 6. Generative Organs					1	1	2			1	2	1		4																	
1. Ovarian Disease																															
1. Ovarian Tumor							1							2																	
2. Disease of Uterus					1	1	1			1	2	1		2																	
3. Hydrocele																															
III.—Order 7. Organs of Locomotion											1						1														
1. Arthritis											1																				
2. Joint Diseases																	1														
III. Order 8. Integumentary System		3	6		2	6	1			2	3			6			3		6	5			4		1				1	1	
1. Phlegmon		1	5		1	1					3								2	1			2								
2. Ulcers			1											1											1				1	1	
3. Skin Disease		2			1	5	1			2				5			3		4	4			2								
Class IV.—Developmental Diseases	13	26	28	75	37	41	34	15	5	29	57	57	6	152	7	3	44	19	69	23	8	4	61	61	3	48	12	15	65	15	
IV. Order 1. Dev. Dis. of Children	7	20	7	54	28	21	20	12	4	23	19	25	5	85	7	2	21	11	29	12	6	1	31	45	2	30	6	8	51	12	
1. Still-born	1	5	3	18	9	10	8	7	3	12	11	16		46	3	1	13	7	15	10	6		19	24	1	15	3	5	32	4	
2. Infantile	3	14	3	34	18	9	11	5	1	10	6	8	5	34	2		7	4	10	2		1	8	17		11	2	1	17	5	
2. Premature Birth	3					1								1	2	1	1		1				2	2	1		1			1	
3. Cyanosis																															
4. Spina Bifida																															1
5. Other Malformations		1	1							1	1																	1			
6. Teething				1	1	1	1				1	1		3					2				2	1		4			1	1	
7. Injury at Birth				1										1					1					1				1	1	
IV.—Order 2. Dev. Dis. of Women	1	1	2	5	5	3		1	1	2	2	4		16			5		1	4	2		6	6		9	2	4	5	1	
1. Dysmenorrhea																															
1. Turn of Life																													1		

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																												
	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.
All Causes	123	202	299	361	222	374	263	105	46	163	330	476	42	944	40	23	229	99	383	153	17	39	327	273	12	385	93	122	327	79
Specified Causes	118	193	283	333	191	366	252	89	40	156	323	459	38	901	37	23	216	84	366	141	17	21	316	227	11	350	85	106	281	73
Causes not Specified	5	9	16	28	31	8	11	16	6	7	7	17	4	43	3	..	13	15	17	12	..	18	11	46	1	35	8	16	46	6
CLASSES.																														
I.—Zymotic Diseases	42	51	73	117	52	79	60	24	4	47	69	96	13	244	12	7	53	22	54	22	2	5	78	84	..	112	24	25	108	23
II.—Constitutional Diseases	25	37	56	35	29	66	53	13	1	32	67	71	8	178	6	..	30	17	84	22	2	8	47	18	4	41	16	25	14	7
III.—Local Diseases	31	68	112	67	54	165	89	24	11	43	115	201	9	286	8	6	81	19	146	66	5	3	121	53	4	98	23	33	65	18
IV.—Developmental Diseases	13	26	28	75	37	41	34	15	5	29	57	57	6	152	7	3	44	19	69	23	8	4	61	61	3	48	12	15	65	15
V.—Violent Deaths	7	10	13	38	12	13	16	11	19	4	15	32	2	38	4	7	8	7	13	7	..	1	8	10	..	51	9	8	29	8
Unclassified	....	1	1	1	7	2	....	2	..	1	....	2	....	3	..	..	....	....	....	1	..	....	1	1	..	....	1	....	....	2
ORDERS.																														
I.—1. Miasmatic Diseases	42	51	73	116	52	79	60	24	3	47	66	96	13	243	12	6	53	22	54	22	2	5	78	84	..	112	24	24	102	23
2. Enthetic Diseases	....	....	....	....	....	....	....	....	..	....	2	....	....	1	..	..	....	....	....	....	..	....	....	....	..	....	....	....	....	..
3. Dietic Diseases	....	....	....	....	....	....	....	....	1	....	....	....	....	....	..	..	....	....	....	....	..	....	....	....	..	....	....	....	6	..
4. Parasitic Diseases	....	....	....	1	....	....	....	....	..	....	1	....	....	....	..	1	....	....	....	....	..	....	....	....	..	....	....	1	....	..
II.—1. Diathetic Diseases	6	11	13	6	9	21	17	6	..	7	17	21	2	55	..	..	13	4	32	7	2	2	13	3	1	7	2	1	1	2
2. Tubercular Diseases	19	26	43	29	20	45	36	7	1	25	50	50	6	123	6	..	17	13	52	15	..	6	34	15	3	34	14	24	13	5

III.—1. Diseases of Nervous System	20	23	31	20	12	68	30	9	3	18	39	74	5	98	2	3	25	4	48	16	2	1	46	20	..	41	12	12	28	4
2. Diseases of Organs of Circulation	2	13	32	5	3	26	16	6	2	7	21	32	....	37	1	..	16	1	32	15	1	....	21	6	2	13	1	12	4	1
3. Diseases of Respiratory Organs	7	16	15	24	18	28	18	6	4	10	20	41	3	68	..	3	16	2	19	14	1	1	17	17	1	26	6	5	18	6
4. Diseases of Digestive Organs	2	6	20	14	17	19	13	1	1	7	17	36	1	52	4	..	15	8	20	7	..	1	21	5	..	17	4	2	10	5
5. Diseases of Urinary Organs	....	7	8	4	1	17	9	2	1	....	13	14	....	21	1	..	5	4	21	9	1	....	12	5	..	1	..	2	4	1
6. Diseases of Generative Organs	....	....	....	....	1	1	2	....	..	1	2	1	....	4	..	..	....	..	....	..	..	....	..	....	..	....	..	..	..	..
7. Diseases of Organs of Locomotion	....	....	....	....	....	....	..	....	..	....	1	....	....	....	..	..	1	..	....	..	..	....	..	....	..	....	..	..	..	..
8. Diseases of Integumentary System	....	3	6	....	2	6	1	....	..	....	2	3	....	6	..	..	3	..	6	5	..	....	4	....	1	....	..	..	1	1
IV.—1. Developmental Dis. of Children	7	20	7	54	28	21	20	12	4	23	19	25	5	85	7	2	21	11	29	12	6	1	31	45	2	30	6	8	51	12
2. Developmental Dis. of Women	1	1	2	5	5	3	..	1	1	2	2	4	....	16	..	..	5	..	1	4	..	....	6	6	..	9	2	4	5	1
3. Developmental Dis. of Old People	4	4	17	4	2	14	13	2	..	4	30	23	1	45	..	1	17	7	38	7	..	3	18	10	1	6	4	3	4	2
4. Diseases of Nutrition	1	1	2	12	2	3	1	....	..	....	6	5	....	6	..	..	1	1	1	..	..	....	6	....	..	3	....	..	5	..
V.—1. Accident or Negligence	6	3	5	16	4	6	8	5	13	2	7	17	2	15	1	5	2	4	6	5	..	....	5	5	..	....	5	5	15	4
2. Battle	....	....	....	....	....	....	..	....	..	....	....	....	....	....	..	..	....	..	....	..	..	....	....	....	..	....	....	..	..	..
3. Homicide	....	....	1	....	1	1	..	....	..	....	....	..	....	2	..	..	....	..	....	..	..	....	....	1	..	....	....	..	1	..
4. Suicide	1	2	5	1	2	5	..	....	..	....	2	5	....	9	1	..	2	1	4	..	..	1	....	....	..	....	1	1	....	1
5. Execution	....	....	....	....	....	....	..	....	..	....	....	....	....	....	..	..	....	..	....	..	..	....	....	....	..	....	....	..	..	..
6. Violent Deaths	....	5	2	21	5	1	8	6	6	2	6	10	....	12	2	2	4	2	3	2	..	....	3	4	..	51	3	2	13	3
CLASS I.—ZYMOTIC	42	51	73	117	52	79	60	24	4	47	69	96	13	244	12	7	53	22	54	22	2	5	78	84	..	112	24	25	108	23
I.—ORDER 1. Miasmatic	42	51	73	116	52	79	60	24	3	47	66	96	13	243	12	6	53	22	54	22	2	5	78	84	..	112	24	24	102	23
1. Small-pox	....	....	....	....	....	....	..	....	..	....	....	....	....	....	..	..	....	..	....	..	..	....	....	....	..	....	....	..	..	..
2. Measles	6	3	2	33	1	3	5	5	..	....	2	2	....	18	..	..	1	8	....	..	..	....	12	4	..	14	4	..	1	..
3. Scarlatina	2	....	2	6	1	1	1	....	..	....	4	2	....	6	1	..	....	1	2	..	..	1	3	19	..	16	....	..	6	..
4. Diphtheria	13	6	22	9	7	7	7	2	..	15	18	23	6	35	3	..	13	4	5	4	..	....	6	8	..	8	4	..	22	10
5. Quinsy	....	....	..	....	....	....	..	....	..	1	2	....	....	....	..	..	....	.	....	..	..	....	....	....	..	2	1	..	..	..
6. Croup	3	7	2	11	20	5	5	4	..	4	4	2	....	16	..	..	3	1	5	3	..	....	5	1	..	2	1	2	3	1

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																												
	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.
7. Whooping-cough	---	4	2	1	3	1	2	---	--	2	3	1	1	3	--	--	1	---	4	1	--	3	---	1	--	1	1	2	---	2
8. Typhoid Fever	5	10	5	12	5	26	14	2	--	9	6	8	1	45	--	3	12	1	5	3	--	---	13	31	--	38	4	11	31	2
8. Typhus Fever	---	---	---	1	---	1	---	---	--	---	---	---	---	---	--	--	---	---	---	---	--	---	---	---	--	---	---	---	---	--
8. Typho-malarial Fever	---	---	2	---	1	1	1	---	--	---	1	3	---	8	--	--	---	---	---	---	--	---	---	---	--	---	---	---	---	--
9. Erysipelas	1	5	2	---	3	4	4	---	--	1	8	6	---	14	--	--	---	1	2	1	--	---	4	---	--	---	1	---	1	1
10. Puerperal Fever	1	---	---	5	1	1	---	---	1	1	---	---	---	---	1	--	---	1	---	1	--	---	---	2	--	---	---	---	---	--
11. Carbuncle	---	---	---	---	---	---	---	---	--	---	---	---	---	---	--	--	---	---	---	---	--	---	1	---	--	---	---	---	---	--
12. Influenza	---	---	4	---	---	---	---	---	--	---	---	---	---	---	--	1	---	---	2	---	--	---	---	---	--	---	---	---	---	--
13. Dysentery	5	---	3	4	1	1	---	---	--	2	3	15	1	21	--	--	5	1	1	2	--	---	2	3	--	1	---	1	4	--
14. Diarrhea	---	1	1	27	1	1	4	5	--	4	3	14	---	17	1	1	2	2	1	1	2	---	18	4	--	27	1	1	11	1
15. Cholera Infantum	6	12	10	2	1	19	9	2	2	6	5	8	4	42	5	--	11	2	15	2	--	---	7	8	--	---	2	5	18	4
16. Cholera Morbus	---	---	---	---	1	---	1	---	--	1	---	---	---	1	1	--	---	---	1	---	--	---	1	---	--	2	1	---	1	1
16. Cholera	---	---	---	---	---	---	---	---	--	---	---	---	---	---	--	--	---	---	---	---	--	---	---	---	--	---	---	---	---	--
17. Ague	---	2	8	---	1	2	2	1	--	---	---	6	---	9	--	--	3	--	1	4	--	1	4	1	--	---	4	1	1	--
18. Remittent Fever	---	1	4	2	3	2	2	2	--	---	1	1	---	4	--	1	---	---	2	---	--	---	1	2	--	1	---	---	2	1
19. Rheumatism	---	---	4	3	2	4	3	1	--	1	6	5	---	4	--	--	2	---	8	---	--	---	1	--	--	---	---	1	1	--
20. Leprosy	---	---	---	---	---	---	---	---	--	---	---	---	---	---	--	--	---	---	---	---	--	---	---	---	--	---	---	---	---	--
I.—ORDER 2. Enthetic	---	---	---	---	---	---	---	---	--	---	2	---	---	1	--	--	---	---	---	---	--	---	---	---	--	---	---	---	---	--
1. Syphilis	---	---	---	---	---	---	---	---	--	---	2	---	---	---	--	--	---	---	---	---	--	---	---	---	--	---	---	---	---	--
2. Stricture of Urethra	---	---	---	---	---	---	---	---	--	---	---	---	---	---	--	--	---	---	---	---	--	---	---	---	--	---	---	---	---	--
2. Stricture	---	---	---	---	---	---	---	---	--	---	---	---	---	---	--	--	---	---	---	---	--	---	---	---	--	---	---	---	---	--

3. Hydrophobia														1																
4. Glanders																														
I.—Order 3. Dietic									1																			6		
1. Privation																														
2. Purpura																														
2. Rachitis																											•			
2. Scurvy																														
3. Delirium Tremens (Alcoholism)									1																			4		
4. Intemperance																												2		
5. Opium Eating																														
I.—Order 4. Parasitic				1						1					1												1			
1. Thrush				1						1																				
2. Worms															1												1			
3. Disease of Scalp																														
Class II.—Constitutional	25	37	56	35	29	66	53	13	1	32	67	71	8	178	6	..	30	17	84	22	2	8	47	18	4	41	16	25	14	7
II.—Order 1. Diathetic	6	11	13	6	9	21	17	6	..	7	17	21	2	55	..	..	13	4	32	7	2	2	13	3	1	7	2	1	1	2
1. Gout																														
2. Anaemia					1							1																		
2. Dropsy		6	4	1	3	7	6	1	..	1	8	7	1	26	..	..	3	1	9	3	1	2	4	2	..	2	1	..	1	1
3. Cancer	6	5	9	5	5	11	9	5	..	5	9	11	1	29	..	..	8	3	23	4	1	..	9	1	1	5	1	1	..	1
4. Noma (Canker)						2	2		..	1							2													
5. Mortification						1						2																		
II.—Order 2. Tubercular	19	26	43	29	20	45	36	7	1	25	50	50	6	123	6	..	17	13	52	15	..	6	34	15	3	34	14	24	13	5
1. Scrofula						2	1					2	1	2	..	..				1	..		1		..	1				
2. Consumption of Bowels			3	1		1						1		1	1	..	2										1			

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																													
	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	
3. Phthisis (Consumption of Lungs)	19	26	39	28	20	41	35	7	1	25	50	47	5	119	2	..	15	13	52	14	..	6	33	15	3	32	13	24	13	5
4. Hydrocephalus	....	....	....	....	....	....	....	....	..	....	....	....	....	....	2	..	....	....	....	....	..	....	....	....	..	....	....	....	....	..
5. Marasmus	....	....	1	....	....	1	....	....	..	....	....	....	....	1	1	..	....	....	....	....	..	....	....	....	..	1	....	....	....	..
CLASS III.—LOCAL DISEASES	31	68	112	67	54	165	89	24	11	43	115	201	9	286	8	6	81	19	146	66	5	3	121	53	4	98	23	33	65	18
III.—ORDER 1. Nervous System	20	23	31	20	12	68	30	9	3	18	39	74	5	98	2	3	25	4	48	16	2	1	46	20	..	41	12	12	28	4
1. Cephalitis	2	2	3	2	2	5	3	1	1	1	5	4	....	19	1	1	1	1	4	1	2	1	8	1	..	11	3	1	3	1
2. Apoplexy	....	1	4	1	....	5	3	....	..	....	3	5	....	7	..	1	1	....	9	....	..	....	2	....	..	....	1	1	....	..
3. Paralysis	8	8	11	2	5	20	9	1	1	4	9	35	1	28	..	..	8	....	15	9	..	....	13	2	..	1	1	....	1	..
4. Insanity	....	1	....	....	....	1	1	....	..	....	1	4	....	1	..	..	....	....	2	....	..	....	....	....	..	....	....	....	1	..
5. Chorea	....	....	....	....	....	....	....	....	..	....	1	....	....	....	..	..	....	....	....	....	..	....	....	....	..	....	....	....	....	..
6. Epilepsy	2	2	2	1	....	1	1	....	..	1	1	1	1	1	..	..	2	....	....	....	..	....	....	....	..	1	....	2	3	..
7. Tetanus	....	....	....	....	....	1	....	....	..	....	....	....	....	2	..	..	....	....	....	....	..	....	....	....	..	....	....	....	....	..
8. Convulsions	3	4	5	7	3	11	3	2	1	2	4	7	....	13	..	1	3	2	7	1	..	....	13	13	..	26	5	2	17	1
9. Brain Disease	5	2	6	4	1	12	5	4	..	2	8	17	2	18	1	..	8	1	7	5	..	....	5	3	..	....	....	6	3	..
9. Dropsy of Brain	....	....	....	2	1	3	1	....	..	2	1	....	....	2	..	..	1	....	1	....	..	....	3	....	..	....	1	....	....	1
10. Spinal Fever	....	3	....	....	....	5	4	....	..	5	1	....	....	4	..	..	....	....	....	....	..	....	....	....	..	....	....	*	....	..
11. Spotted Fever	....	....	....	1	....	....	....	....	..	....	....	....	....	....	..	..	....	....	....	....	..	....	....	....	..	....	....	....	....	..
12. Meningitis	....	....	....	....	....	2	....	....	..	....	....	1	....	....	..	..	1	....	....	....	..	....	1	....	..	2	....	....	....	..
13. Meningitis, Cerebro-Spinal	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	..	....	....	....	....	..	....	....	1	..	....	....	....	....	..
14. Meningitis, Spinal	....	....	....	....	....	1	....	1	..	1	5	....	1	3	..	..	....	....	3	....	..	....	1	....	..	....	1	....	....	1

15. Neuralgia																															
16. Spine Disease																															
17. Spine, Inflammation of						1																									
18. Frightened																															
III.—Order 2. Organs of Circulation	2	13	32	5	3	22	16	6	2	7	21	32		37	1		16	1	32	15	1		21	6	2	13	1	12	4	1
1. Pericarditis			1			5	3				3	3		2	1		3		6				5							
2. Aneurism			3									3		2															1	
3. Heart Disease	2	13	28	5	3	21	13	6	2	7	18	26		33			13	1	26	15	1		16	6	2	13	1	12	3	1
4. Emboli																															
III.—Order 3. Respiratory Organs	7	16	15	24	18	28	18	6	4	10	20	41	3	68		3	16	2	19	14	1	1	17	17	1	26	6	5	18	6
1. Epistaxis																															
2. Laryngitis					1					1																					
3. Bronchitis	2	2		15	1	3			1		1	5		3					2				2	3		9				1
4. Pleurisy														2					3										1	
5. Pneumonia	5	8	13	8	12	16	14	1	3	6	15	32	2	48		3	15	1	10	10	1	1	15	13	1	15	5	3	17	4
6. Asthma						1	1				1	2					1		2	1						2					
7. Lung Disease		5		1	4	6	8	5		3	3	2	1	15				1	2	3				1			1	2		1
8. Catarrh		1	2			2																									
III.—Order 4. Digestive Organs	2	6	20	14	17	19	13	1	1	7	17	36	1	52	4		15	8	20	7		1	21	5		17	4	2	10	5
1. Gastritis		2	2	3	2	2					2	1		1				1		1			2	1				1	1	
2. Enteritis	1	1	4	9	10	6	4		1	4	6	8		18	3		9	3	4	1			5	2		13		1	6	1
3. Peritonitis	1					1					4	3		2					2				1			3				
4. Ascites												1							1				1							
5. Ulceration of Intestines																			1										1	
6. Hernia										1				1				1	1	1										
7. Obstruction of Bowels						2																									

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																														
	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	
8. Intussusception																															
9. Stricture of Intestines						1						1											1							1	
10. Fistula																															
11. Stomach Diseases		1	3		3	4	2			1		7	1	15				3	4			1	3				2			1	
12. Pancreas Diseases																															
13. Hepatitis			2							1				3	1															1	
14. Biliary Calculus														1					1					1							
14. Jaundice					1							1		1			1														
15. Liver Disease			9		1	3	5					3		7			4		5	4			5	1		1			1		
16. Spleen Disease																															
17. Bowel Diseases, etc.		1		2			2				2	11		3			1		1				3				2		1	1
18. Mouth Disease		1																													
III.—ORDER 5, Urinary Organs		7	8	4		17	9	2	1		13	14		21	1		5	4	21	9	1		12	5		1		2	4	1	
1. Nephritis		1				1								1	1				2		1			1							
2. Ischuria																															
3. Bright's Disease of Kidneys		5	2	2		8	7		1		9	6		9			1		10	4			6	1				1	1		
4. Diabetes		1		2		3						2		1			1	4	3	3			1	2					1		
5. Calculus (gravel, etc.)			1			1	1													1						1					
6. Cystitis			2			1	1				1	1		1			1		1				1								
7. Kidney Disease			3			3		2			3	5		9			2		5	1			4	1				1	2	1	

III.—Order 6. Generative Organs					1	1	2			1	2	1		4																	
1. Ovarian Disease																															
1. Ovarian Tumor							1							2																	
2. Disease of Uterus					1	1	1			1	2	1		2																	
3. Hydrocele																															
III.—Order 7. Organs of Locomotion											1																				
1. Arthritis											1																				
2. Joint Diseases																															
III. Order 8. Integumentary System		3	6		2	6	1				2	3		6			3		6	5			4		1				1	1	
1. Phlegmon		1	5		1	1						3							2	1			2								
2. Ulcers			1											1											1				1	1	
3. Skin Disease		2			1	5	1				2			5			3		4	4			2								
Class IV.—Developmental Diseases	13	26	28	75	37	41	34	15	5	29	57	57	6	152	7	3	44	19	69	23	8	4	61	61	3	48	12	15	65	15	
IV. Order 1. Dev. Dis. of Children	7	20	7	54	28	21	20	12	4	23	19	25	5	85	7	2	21	11	29	12	6	1	31	45	2	30	6	8	51	12	
1. Still-born	1	5	3	18	9	10	8	7	3	12	11	16		46	3	1	13	7	15	10	6		19	24	1	15	3	5	32	4	
2. Infantile	3	14	3	34	18	9	11	5	1	10	6	8	5	34	2		7	4	10	2		1	8	17		11	2	1	17	5	
2. Premature Birth	3					1								1	2	1	1		1				2	2	1		1			1
3. Cyanosis																															
4. Spina Bifida																															1
5. Other Malformations		1	1							1	1																	1			
6. Teething				1	1	1	1				1	1		3					2				2	1		4			1	1	
7. Injury at Birth				1										1					1					1				1	1	
IV.—Order 2. Dev. Dis. of Women	1	1	2	5	5	3		1	1	2	2	4		16			5		1	4	2		6	6		9	2	4	5	1	
1. Dysmenorrhea																															
1. Turn of Life																													1		

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																														
	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	
2. Child-birth	----	1	2	3	4	3	----	1	1	2	2	4	----	16	--	--	5	----	1	4	2	----	5	6	--	9	2	3	4	1	
2. Abortion	1	----	----	2	1	----	----	----	--	----	----	----	----	----	--	--	----	----	----	----	--	----	1	----	--	----	----	----	----	--	
2. Uterine Hemorrhage	----	----	----	----	----	----	----	----	--	----	----	----	----	----	--	--	--	----	----	----	--	----	----	----	--	----	----	1	----	--	
IV.—ORDER 3. Dev. Dis. of Old People	4	4	17	4	2	14	13	2	--	4	30	23	1	45	--	1	17	7	38	7	--	3	18	10	1	6	4	3	4	2	
1. Old Age	4	4	17	4	2	14	13	2	--	4	30	23	1	45	--	1	17	7	38	7	--	3	18	10	1	6	4	3	4	2	
IV.—ORDER 4. Diseases of Nutrition	1	1	2	12	2	3	1	----	--	----	6	5	----	6	--	--	1	1	1	----	--	----	6	----	--	3	----	----	5	--	
1. Atrophy and Debility	1	1	2	12	2	3	1	----	--	----	6	5	----	6	--	--	1	1	1	----	--	----	6	----	--	3	----	----	5	--	
CLASS V.—VIOLENT DEATHS	7	10	13	38	12	13	16	11	19	4	15	32	2	38	4	7	8	7	13	7	--	1	8	10	--	51	9	8	29	8	
V.—ORDER 1.—Accident or Negligence	6	3	5	16	4	6	8	5	13	2	7	17	2	15	1	5	2	4	6	5	--	----	5	5	--	----	5	5	15	4	
1. Fractures and Contusions	1	----	2	3	1	1	2	----	8	1	4	4	----	4	--	1	----	----	1	1	--	----	1	1	--	----	----	2	10	--	
2. Wounds	----	----	----	----	----	----	----	----	--	----	----	2	----	1	--	--	1	----	1	----	--	----	----	----	--	----	----	----	----	--	
3. Burns and Scalds	----	1	----	3	1	----	----	----	--	----	1	2	1	2	--	--	1	1	1	1	--	----	2	----	--	----	2	1	1	--	
4. Poison	----	--	1	1	----	2	1	----	1	----	----	2	----	1	--	1	----	----	----	2	--	----	----	----	--	----	----	----	----	1	
5. Drowning	2	----	2	5	2	2	----	2	--	1	1	3	1	4	--	--	----	3	----	1	--	----	2	2	--	----	2	1	2	2	
6. Suffocation	----	1	----	----	----	----	----	----	--	----	----	3	----	----	--	2	----	----	1	----	--	----	----	----	--	----	----	----	----	--	
7. Otherwise	3	1	----	4	----	1	5	3	4	----	1	1	---	3	1	1	----	----	2	----	--	----	----	2	--	----	1	1	2	1	
V.—ORDER 2. In Battle	----	----	----	----	----	----	----	----	--	----	--	----	--	----	--	--	----	----	----	----	--	----	----	----	--	----	----	----	----	--	
V.—ORDER 3. Homicide	---	----	1	----	1	1	----	---	--	--	----	---	----	2	--	--	----	---	----	----	--	----	----	1	--	----	----	----	1	--	
1. Murder	----	----	1	----	1	1	----	----	--	----	----	----	----	2	--	--	----	----	----	----	--	----	----	1	--	----	----	----	1	--	

III. Order 6. Generative Organs										2			1			1					1				7				
1. Ovarian Disease																													
1. Ovarian Tumor										1															1				
2. Disease of Uterus										1			1			1					1				6				
3. Hydrocele																													
III. Order 7. Organs of Locomotion																					1		1		3				
1. Arthritis																									1				
2. Joint Diseases																					1		1		2				
III. Order 8. Integumentary System		2	1		3		2									7	1		1	4		3	2	11	15	1			
1. Phlegmon							1									1				3		2	1	1	7	1			
2. Ulcers		1			2																			1	4				
3. Skin Disease		1	1		1		1									6	1		1	1		1	1	9	4				
Class IV. Developmental Diseases	6	59	37	2	60	10	67	11	7	5	13	2	8	80	10		121	46	2	26	96	44	49	55	38	597	18		
IV. Order 1. Dev. Dis. of Children	5	27	26	1	39	5	26	6	7	5	10	1	5	38	5		73	25	4	11	58	15	23	18	16	312	12		
1. Still-born	4	9	14		20	3	13	2	7	5	3	1		24	2		39	13		3	30	9	14	12	8	186	8		
2. Infantile	1	12	12	1	17		9	4			6		5	12	3		28	12	1	7	26	5	9	4	7	80	2		
2. Premature Birth					1	2	4							2			1					1		1	1	9	1		
3. Cyanosis																													
4. Spina Bifida																													
5. Other Malformations																1			1				1			1			
6. Teething		6			1						1					3				2					37				
7. Injury at Birth																1													
IV.—Order 2. Dev. Dis. of Women	1	4	4		5	2	2				2	1		7	1		7	4	1	4	6	4	5	5	2	52	1		
1. Dysmenorrhea																													
1. Turn of Life																						1		1		4			

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																										
	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
All Causes	29	337	213	8	406	94	379	102	41	31	153	17	35	368	40	5	894	280	18	160	489	244	276	281	378	3,543	86
Specified Causes	24	322	204	7	383	91	348	97	39	29	146	16	24	346	22	5	841	268	15	146	473	236	248	268	346	3,305	78
Causes not Specified	5	15	9	1	23	3	31	5	2	2	7	1	11	22	18	....	53	12	3	14	16	8	28	13	32	238	8
CLASSES.																											
I.—Zymotic Diseases	6	85	38	....	162	22	39	30	17	12	49	4	3	80	6	2	197	63	2	38	113	46	82	73	86	1,056	23
II.—Constitutional Diseases	8	58	38	....	38	28	76	22	4	2	24	5	2	64	1	1	160	54	3	25	91	44	35	50	60	521	11
III.—Local Diseases	2	105	78	5	100	29	150	31	6	10	49	3	8	110	5	2	310	93	7	52	155	85	72	80	147	977	20
IV.—Developmental Diseases	6	59	37	2	60	10	67	11	7	5	13	2	8	80	10	....	121	46	2	26	96	44	49	55	38	597	18
V.—Violent Deaths	2	15	13	....	23	2	15	3	5	....	11	2	3	12	....	....	46	8	1	5	15	17	9	9	14	150	5
Unclassified	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	7	4	....	....	3	....	1	1	1	4	1
ORDERS.																											
I.—1. Miasmatic Diseases	6	84	38	....	161	22	39	30	17	12	47	4	3	78	6	2	196	63	1	38	112	46	82	73	86	1,053	23
2. Enthetic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....
3. Dietic Diseases	....	1	....	....	1	....	....	....	....	....	2	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....
4. Parasitic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	1	....	....	....	....	....	1
II.—1. Diathetic Diseases	2	21	11	....	8	6	18	5	....	....	6	3	1	25	....	1	41	16	....	7	30	13	12	13	17	124	5
2. Tubercular Diseases	6	37	27	....	30	22	58	17	4	2	18	2	1	39	1	....	119	38	3	18	61	31	23	37	43	397	6

III.—1. Diseases of Nervous System	1	42	30	3	32	8	43	8	2	1	12	....	3	40	1	1	128	37	1	15	43	29	17	28	43	410	7
2. Diseases of Organs of Circulation	.	13	8	1	11	7	25	1	....	3	6	....	1	11	....	....	42	15	....	5	32	20	10	16	22	144	....
3. Diseases of Respiratory Organs	1	16	14	.	30	9	36	8	2	4	13	....	2	35	4	1	84	27	5	14	46	18	25	17	33	235	7
4. Diseases of Digestive Organs	.	24	13	1	20	3	29	2	1	2	8	3	1	13	....	....	37	10	....	8	22	10	15	12	18	118	5
5. Diseases of Urinary Organs	.	8	12	.	4	2	15	2	1	.	8		1	10	....	....	11	3	1	9	7	7	1	5	20	45	....
6. Diseases of Generative Organs	.	....	....	.	....	....	....	.	....	.	2		....	1	....	....	1	....	....	....	....	1	....	....	....	7	....
7. Diseases of Organs of Locomotion	.	....	....	.	....	....	....	.	....	.	....		....	....	....	....	....	....	....	....	1	....	1	....	....	3	....
8. Diseases of Integumentary System	.	2	1	.	3	....	2	..	....	.	....		....	....	....	....	7	1	....	1	4	....	3	2	11	15	1
IV.—1. Developmental Dis. of Children	5	27	26	1	39	5	26	6	7	5	10		5	38	5	....	73	25	1	11	58	15	23	18	16	312	12
2. Developmental Dis. of Women	1	4	4	.	5	2	2	..	....	.	2	1	....	7	1	....	7	4	1	4	6	4	5	5	2	52	1
3. Developmental Dis. of Old People	.	17	6	1	11	3	33	2	....	.	1	.	1	31	4	....	37	15	....	11	24	24	20	23	19	138	3
4. Diseases of Nutrition	.	11	1	.	5	....	6	3	....	.	..	.	2	4	....	....	4	2	....	....	8	1	1	9	1	95	2
V.—1. Accident or Negligence	.	6	7	.	9	2	5	3	2	.	8	2	1	6	....	....	29	3	....	2	7	5	5	5	7	79	2
2. Battle	.	....	....	.	....	....	....	..	....	.	..	.	....	..	....	....	....	....	....	....	..	....	....	....	....	.....	....
3. Homicide	.	1	1	.	....	....	....	..	....	.	..	.	....	..	....	....	1	....	1	....	..	2	....	....	....	8	....
4. Suicide	.	....	1	.	4	....	2	..	....	.	1	.	....	1	....	....	5	....	....	2	2	6	....	....	....	21	2
5. Execution	.	....	....	.	..	....	....	..	....	.	..	.	....	..	....	....	....	....	....	....	..	....	....	....	....	.....	....
6. Violent Deaths	2	8	4	.	10	....	8	..	3	.	2	.	2	5	....	....	11	5	....	1	6	4	4	4	7	42	1
CLASS I.—ZYMOTIC	6	85	38	.	162	22	39	30	17	12	49	4	3	80	6	2	197	63	2	38	113	46	82	73	86	1,056	23
I.—ORDER 1. Miasmatic	6	84	38	.	161	22	39	30	17	12	47	4	3	78	6	2	196	63	1	38	112	46	82	73	86	1,053	22
1. Small-pox	.	....	....	.	....	....	....	..	....	.	..	.	....	..	....	....	....	....	....	....	....	....	....	....	....	.....	....
2. Measles	.	8	....	.	35	....	....	2	2	.	2	.	1	2	....	....	17	....	....	1	7	2	1	1	10	25	5
3. Scarlatina	.	3	....	.	8	....	....	1	....	.	.	.	....	..	....	1	12	9	....	....	4	2	1	1	2	173	....
4. Diphtheria	1	25	4	.	28	6	1	6	....	2	14	2	....	22	5	....	27	13	....	3	18	11	20	14	26	283	2
5. Quinsy	.	....	....	.	....	....	....	..	....	.	..	.	....	..	....	....	....	....	....	....	....	....	....	....	1	2	....
6. Croup	.	8	2	.	23	1	1	..	2	.	2	.	....	9	....	....	33	8	....	2	18	3	8	1	1	99	....

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																											
	Mlsaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
7. Whooping-cough	---	1	3	---	3	1	---	1	3	---	2	---	---	1	---	---	5	5	1	---	---	1	4	2	---	5	2
8. Typhoid Fever	---	13	6	---	17	5	14	9	2	---	11	---	1	10	---	---	21	10	---	15	13	4	13	16	1	104	4
8. Typhus Fever	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8. Typho-malarial Fever	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	7	3	---	---	2	2	5	1	---	3	---
9. Erysipelas	---	4	2	---	3	2	4	---	---	---	1	---	---	4	---	---	11	2	---	2	4	3	3	6	7	29	1
10. Puerperal Fever	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	---	---	---	1	---	---	1	---	5	---
11. Carbuncle	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---
12. Influenza	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	---	---	---	---	---	---
13. Dysentery	1	---	1	---	4	1	5	1	---	---	---	---	---	3	---	1	---	1	---	---	2	---	7	4	4	9	3
14. Diarrhea	1	1	1	---	16	---	1	1	1	---	---	---	1	13	---	---	20	4	---	---	10	2	4	2	5	125	---
15. Cholera Infantum	1	10	12	---	9	3	6	6	6	---	9	1	---	8	---	---	28	1	---	1	14	7	10	16	12	92	3
16. Cholera Morbus	1	2	2	---	2	---	1	---	---	---	---	---	---	---	---	---	1	2	---	1	3	1	---	1	1	7	---
16. Cholera	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17. Ague	---	3	---	---	7	---	---	1	1	---	2	---	---	2	---	---	4	4	---	1	6	1	4	3	---	50	1
18. Remittent Fever	1	2	3	---	4	2	---	1	---	---	1	---	---	---	1	---	5	1	---	1	4	4	---	---	13	12	---
19. Rheumatism	---	3	2	---	2	1	5	1	---	---	3	---	---	3	---	---	4	---	---	1	4	3	2	4	3	30	1
20. Leprosy	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
I.—ORDER 2. Enthetic	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	---
1. Syphilis	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---
2. Stricture of Urethra	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2. Stricture	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

3. Hydrophobia																											1	
4. Glanders																												
I.—Order 3. Dietic		1			1					2						1		1										
1. Privation																												
2. Purpura																												
2. Rachitis										1																		
2. Scurvy																												
3. Delirium Tremens (Alcoholism)										1																		
4. Intemperance					1											1		1										
5. Opium Eating		1																										
I.—Order 4. Parasitic													2							1								1
1. Thrush																												
2. Worms													2							1								1
3. Disease of Scalp																												
Class II.—Constitutional	8	58	38		38	28	76	22	4	2	24	5	2	61	1	1	160	54	3	25	91	44	35	50	60	521	11	
II.—Order 1. Diathetic	2	21	11		8	6	18	5			6	3	1	25		1	41	16		7	30	13	12	13	17	124	5	
1. Gout																												
2. Anaemia		1																1								3		
2. Dropsy	1	10	8		5	1	6	4			4	3	1	16			10	10		1	8	1	6	7	6	63	2	
3. Cancer	1	9	3		3	2	11	1			1			9		1	26	4		6	18	11	6	6	10	57	2	
4. Noma (Canker)						3					1						5	1			4							1
5. Mortification		1					1															1			1	1		
II.—Order 2. Tubercular	6	37	27		30	22	58	17	4	2	18	2	1	39	1		119	38	3	18	61	31	23	37	43	397	6	
1. Scrofula					1									4			3									4		
2. Consumption of Bowels							1				1			1			2									3		

TABLE 77—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																										
	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
3. Phthisis (Consumption of Lungs)	6	37	27	....	29	22	57	17	4	2	17	2	1	34	1	....	112	38	3	18	61	31	23	37	43	377	6
4. Hydrocephalus	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	.....	....
5. Marasmus	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	13	....
CLASS III.—LOCAL DISEASES	2	105	78	5	100	29	150	31	6	10	49	3	8	110	5	2	310	93	7	52	155	85	72	80	147	977	20
III.—ORDER 1. Nervous System	1	42	30	3	32	8	43	8	2	1	12	....	3	40	1	1	128	37	1	15	43	29	17	28	43	410	7
1 Cephalitis	....	9	2	....	14	1	2	1	....	....	2	....	1	7	....	....	14	1	....	3	12	2	....	5	5	84	....
2. Apoplexy	1	2	1	....	1	....	6	....	....	....	1	....	1	5	....	....	3	3	....	2	3	4	....	2	5	18	....
3. Paralysis	....	13	8	....	3	2	14	2	....	....	2	....	....	6	....	....	20	9	....	4	9	12	5	5	10	48	1
4. Insanity	....	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	11	....
5. Chorea	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	1
6. Epilepsy	....	4	1	....	2	....	6	....	....	....	....	....	....	3	....	....	....	....	....	....	....	1	....	....	....	4	....
7. Tetanus	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....
8. Convulsions	...	3	2	....	7	2	3	2	2	1	1	....	....	12	1	....	41	10	....	....	10	5	4	....	13	155	1
9. Brain Disease	....	7	5	....	4	1	4	3	....	....	3	....	....	7	....	....	25	6	1	3	6	3	3	8	6	59	2
9. Dropsy of Brain	....	....	....	....	....	....	2	....	....	....	1	....	....	....	....	....	3	2	....	....	1	....	....	2	....	16	1
10. Spinal Fever	....	2	11	1	....	1	1	....	....	....	1	....	1	....	....	1	2	1	....	....	....	1	2	6	2	2	1
11. Spotted Fever	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	....
12. Meningitis	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	2	....	....	....	2	....	....	....	2	4	....
13. Meningitis, Cerebro-Spinal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	.....	....
14. Meningitis, Spinal	....	2	....	2	....	....	1	....	....	....	....	....	....	....	....	....	18	3	....	3	....	1	3	....	....	5	....

15. Neuralgia																												
16. Spine Disease																										1		
17. Spine, Inflammation of					1																							
18. Frightened																												
III.—ORDER 2. Organs of Circulation		13	8	1	11	7	25	11		3	6		1	11			42	15		5	32	20	10	16	22	144		
1. Pericarditis		3	1		3	3								2			1	2			2	2		2	1	11		
2. Aneurism							1	1													1			2	1	6		
3. Heart Disease		10	7	1	8	4	24	10		3	6		1	9			41	13		5	29	18	10	12	20	127		
4. Emboli																												
III.—ORDER 3. Respiratory Organs	1	16	14		30	9	36	8	2	4	13		2	35	4	1	84	27	5	14	46	18	25	17	33	235	7	
1. Epistaxis																												
2. Laryngitis															1											1		
3. Bronchitis		1	1		1		1				2			4			10	1	1		2	1	3	1		35	1	
4. Pleurisy					2	1	4		1					1				1			1		1		1	4		
5. Pneumonia	1	11	11		19	6	25	2		3	7		2	28	2	1	53	16	1	11	35	13	17	13	27	129	2	
6. Asthma		1			1		2	1		1	1						1	1			4	1	1		2	16		
7. Lung Disease		3	2		7	2	4	5	1		3			2	1		20	7	3	1	4	3	3	1	2	47	4	
8. Catarrh																		1		2				2	1	3		
III.—ORDER 4. Digestive Organs		24	13	1	20	3	29	2	1	2	8	3	1	13			37	10		8	22	10	15	12	18	118	5	
1. Gastritis		1			1		2				1	1					5	1			1	1	1	2	5	3		
2. Enteritis		6	8	1	14	1	12		1	1	5		1	4			12	4		4	7	4	7	1	8	34	3	
3. Peritonitis		1					2										2			1	1			1		2		
4. Ascites																					1					1		
5. Ulceration of Intestines																		1			1							
6. Hernia		1	2				2							1			1						1		1	3		
7. Obstruction of Bowels											1																	

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																										
	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
8. Intussusception																											
9. Stricture of Intestines																		1							1	2	
10. Fistula																						1				2	
11. Stomach Diseases		8			2		5				1			4			10	2		1	4	1	2	5	2	41	
12. Pancreas Diseases																											
13. Hepatitis							1										2							1			
14. Biliary Calculus		1																									
14. Jaundice			1			1	2			1		1					1				1			2	1	3	
15. Liver Disease		6	1			1	3	2						3			2	1		1	3	1	1			15	1
16. Spleen Disease																											
17. Bowel Diseases, etc.			1		3							1		1			1			1	3	2	3			12	1
18. Mouth Disease																	1										
III.—ORDER 5. Urinary Organs		8	12		4	2	15	2	1		8		1	10			11	3	1	9	7	7	1	5	20	45	
1. Nephritis		1	1		1									1			1			1					1	2	
2. Ischuria																											
3. Bright's Disease of Kidneys		2	8		3	1	7	1	1		6		1	4			5	2	1	4	4	4		2	9	22	
4. Diabetes			2				3				1										1	1	1	1	5	3	
5. Calculus (gravel, etc.)						1											1				1				2	3	
6. Cystitis		1					1										1				1				1	3	
7. Kidney Disease		4	1				4	1			1			4			3	1		4		2		2	2	12	

III. Order 6. Generative Organs											2			1			1					1				7	
1. Ovarian Disease																												
1. Ovarian Tumor											1															1	
2. Disease of Uterus											1			1			1					1				6	
3. Hydrocele																												
III. Order 7. Organs of Locomotion																					1		1			3		
1. Arthritis																										1		
2. Joint Diseases																					1		1			2		
III. Order 8. Integumentary System		2	1		3		2										7	1		1	4		3	2	11	15	1	
1. Phlegmon							1										1				3		2	1	1	7	1	
2. Ulcers		1			2																				1	4		
3. Skin Disease		1	1		1		1										6	1		1	1		1	1	9	4		
Class IV. Developmental Diseases	6	59	37	2	60	10	67	11	7	5	13	2	8	80	10		121	46	2	26	96	44	49	55	38	597	18	
IV. Order 1. Dev. Dis. of Children	5	27	26	1	39	5	26	6	7	5	10	1	5	38	5		73	25	1	11	58	15	23	18	16	312	12	
1. Still-born	4	9	14		20	3	13	2	7	5	3	1		24	2		39	13		3	30	9	14	12	8	186	8	
2. Infantile	1	12	12	1	17		9	4			6		5	12	3		28	12	1	7	26	5	9	4	7	80	2	
2. Premature Birth					1	2	4							2			1					1		1	1	9	1	
3. Cyanosis																												
4. Spina Bifida																												
5. Other Malformations																	1			1				1			1	
6. Teething		6			1						1						3				2					37		
7. Injury at Birth																	1											
IV.—Order 2. Dev. Dis. of Women	1	4	4		5	2	2				2	1		7	1		7	4	1	4	6	4	5	5	2	52	1	
1. Dysmenorrhea																												
1. Turn of Life																						1		1		4		

TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death, 1887.	Counties, 1887.																										
	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
2. Child-birth	1	4	4	....	5	2	2	....	....	....	2	1	....	7	1	....	7	4	1	4	6	3	5	4	2	45	1
2. Abortion	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....
2. Uterine Hemorrhage	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
IV.—ORDER 3 Dev. Dis. of Old People	....	17	6	1	11	3	33	2	....	....	1	....	1	31	4	....	37	15	....	11	24	24	20	23	19	138	3
1. Old Age	....	17	6	1	11	3	33	2	....	....	1	....	1	31	4	....	37	15	....	11	24	24	20	23	19	138	3
IV.—ORDER 4. Diseases of Nutrition	....	11	1	....	5	....	6	3	....	....	....	....	2	4	....	....	4	2	....	....	8	1	1	9	1	95	2
1. Atrophy and Debility	....	11	1	....	5	....	6	3	....	....	....	....	2	4	....	....	4	2	....	....	8	1	1	9	1	95	2
CLASS V.—VIOLENT DEATHS	2	15	13	....	23	2	15	3	5	....	11	2	3	12	....	....	46	8	1	5	15	17	9	9	14	150	5
V.—ORDER 1.—Accident or Negligence	....	6	7	....	9	2	5	3	2	....	8	2	1	6	....	....	29	3	....	2	7	5	5	5	7	79	2
1. Fractures and Contusions	....	2	....	....	1	1	2	....	....	....	1	....	....	....	....	....	8	....	....	1	2	3	1	....	4	18	....
2. Wounds	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	1	....	2	1
3. Burns and Scalds	....	1	....	....	1	....	....	1	1	....	1	1	....	....	....	....	2	1	....	....	2	....	....	1	....	3	....
4. Poison	....	....	1	....	2	....	1	....	....	....	....	....	....	1	....	....	2	1	....	....	....	....	....	1	1	1	....
5. Drowning	....	1	2	....	2	....	2	1	....	....	3	....	....	4	....	....	11	....	....	1	1	1	3	2	2	27	1
6. Suffocation	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	8	....
7. Otherwise	....	....	3	....	2	1	....	....	1	....	3	1	1	1	....	....	3	1	....	....	2	1	....	....	....	20	....
V.—ORDER 2. In Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	2	....	....	....	8	....
1. Murder	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	2	....	....	....	8	....

V.—ORDER 4. Suicide	...	...	1	...	4	...	2	...	...	...	1	...	...	1	...	...	5	...	...	2	2	6	...	...	...	21	2
1. Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...	...	...	2	...
2. Poison	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2
3. Drowning	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	4	...
4. Hanging	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	1	...
5. Otherwise and not Specified	...	...	1	...	3	...	2	...	...	...	...	...	...	1	...	...	3	...	...	2	2	1	...	...	...	12	...
V.—ORDER 5. Execution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1. Hanging	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
V.—ORDER 6. Violent Deaths not included above	2	8	4	...	10	...	8	...	3	...	2	...	2	5	...	...	11	5	...	1	6	4	4	4	7	42	1
UNCLASSIFIED	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	7	4	...	...	3	...	1	1	1	4	1
1. Head Disease	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
2. Hemorrhage	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	1	...	2	...
3. Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	4	...	...	1	...	1	...	1	1	1
4. Otherwise	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Causes not Specified	5	15	9	1	23	3	31	5	2	2	7	1	11	22	18	...	53	12	3	14	16	8	28	13	32	238	8

DEATHS FROM ALL CAUSES.

TABLE 78.—*Exhibiting, by Sex, by Months, by Specified Causes, and by Ages in Periods of Years, the number of Deaths returned for the Year 1887; also by Sex and by Specified Causes, the number of Deaths returned for each of the Years 1882-1887. (Still-births included.)*

Sex.	Months, 1887.													Years.						Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887	1886.	1885.	1884.	1883.	1882.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	1249	1274	1535	1599	1472	1405	1915	2055	1916	1699	1551	1743	66	19482	18187	16646	18056	16906	16425	7391	934	542	775	891	832	678	667	552	563	615	642	727	851	799	781	951	291
Males	693	682	791	853	816	803	1004	1128	1060	907	856	938	32	10563	9725	9025	9589	9101	8713	4107	487	270	365	408	442	319	333	287	305	334	36	436	518	441	406	565	179
Females	554	591	739	742	651	602	905	922	855	789	694	800	33	8877	8402	7569	8385	7748	7664	3245	447	272	410	483	390	359	334	265	258	281	281	291	333	358	375	386	109
Unknown	2	1	5	4	5	...	6	5	1	3	4	5	1	42	60	52	82	57	48	39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over	Unknown.
Females		1	1		1	1		1	1	2	3			11	7	12	6	12	9	Abortion				2	2	1	2	4									
Males															1	2			2	Abscess of Back																	
Females					1	1								2		1			2	" "				1				1									
Males															4	3	4	3		Abscess of Bowels																	
Females								1	1			1		3	2		1	2	4	" "	1								1				1					
Total	1	1	1	1			1	2	1	2	1			11	4	1	3	1	6	Abscess of Brain	2	2	2					1	1	1		1		1			
Males	1		1				1	1	1	1	1			7	1	1	3	1	3	" "	1	1	1					1	1	1			1				
Females		1		1				1		1				4	3				3	" "	1	1	1								1						
Males																1				Abscess of Groin																	
Females															1		1			" "																	
Males																			1	Abscess of Hand																	
Total			1	2			2							5			5			Abscess on Head	2	1		1		1											
Males			1	2			1							4			5			" "	1	1		1		1											
Females							1							1						" "	1																
Males								1						1			5			Abscess on Hip	1																
Females																	1			" "																	
Males															1	2				Abscess of Kidneys																	
Females																		1		" "																	
Males																1				Abscess on Leg																	
Males																	2			Abscess of Neck																	
Females				1										1						" "									1								

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total		1	1						1			1		4	2	1			1	Abscess, Pelvic					1	1	1			1							
Males			1											1						" "					1												
Females		1							1			1		3	2	1			1	" "						1	1			1							
Total				1	1	1	1				1			5	8	9	3	4	2	Abscess in Side				1					1		1	1	1				
Males						1	1				1			3	5	6	1	2	1	" "				1					1			1					
Females				1	1									2	3	3	2	2	1	" "										1	1					
Males				1										1						Abscess of Spine						1										
Females																	1			" "																
Total								1	2	1				4	1	1	3	4	4	Abscess of Stomach			1		1	1	1										
Males								1	1					2		1	3	3	3	" "			1			1											
Females									1	1				2	1			1	1	" "					1	1											
Total	3	1	1	3	1	3	3	1	4	3	5	1		29	45	32	34	34	14	Abscess	4		1	2	2	5	2	1	1	1	2			5	2		1	
Males	3	1		2	1	1	1		1	1	2	1		14	25	15	15	25	10	"	2					4	1			1	1			3	1		1	
Females			1	1		2	2	1	3	2	3			15	20	17	19	9	4	"	2		1	2	2	1	1	1	1		1			2	1			
Males															4	3				Amputation of Leg																	
Males		2		1	1	1			1		1			7				2	5	Amputation	1			1	1				1	1	2						
Females																		1	2	"																	
Total			1	1			2	1	1		1	1		8	3	3	8	3	2	Anæmia	3					1		1		1	1		1			
Males			1				1		1			1		4		2	4		1	"						1				1	1		1			
Females				1			1	1			1			4	3	1	4	3	1	"	3							1									
Total	1				1			1				1		4		3	1	1	1	Aneurism							1	3									

| | | |

TABLE 73—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																					
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	1	1	4	1	2	...	6	7	3	5	3	3	..	36	24	14	20	28	30	Bowels, Consumption of	17	2	2	1	1	...	...	...	...	1	2	2	1	1	3	1	2	..
Females	2	1	1	1	1	1	2	5	6	2	...	2	..	24	22	11	25	18	15	" "	18	2	...	...	...	...	1	...	1	...	...	...	1	1	..	..	..	..
Total	21	19	26	20	28	25	41	47	33	25	28	25	1	339	327	324	350	294	276	Bowels, Inflammation of	127	26	21	26	17	20	15	8	8	8	7	13	5	13	12	11	1	1
Males	13	7	14	10	16	13	24	21	22	18	17	13	..	188	168	169	185	152	154	" "	79	13	15	14	6	10	7	4	5	3	6	6	..	5	7	7	1	..
Females	8	12	12	10	12	12	17	26	11	7	11	12	1	151	159	155	165	142	121	" "	48	13	6	12	11	10	8	4	3	5	1	7	5	8	5	4	..	1
Unknown	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	1	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Total	...	...	...	...	...	1	...	3	1	1	...	...	..	6	3	8	8	4	10	Bowels, Obstruction of	2	...	...	...	...	...	1	...	...	...	1	...	...	...	1	..	1
Males	...	...	...	...	...	...	...	3	...	...	...	...	..	3	3	5	5	1	6	" "	...	...	...	...	...	...	1	...	..	...	...	...	...	...	1	..	1
Females	...	...	...	...	...	1	...	...	1	1	...	...	..	3	...	3	3	3	4	" "	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	..	..
Males	...	...	...	...	...	...	...	...	...	...	1	1	..	2	1	1	2	1	3	Bowels, Rupture of	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	..	..
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	1	....	1	....	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..
Total	...	...	1	...	1	...	2	...	1	...	2	...	..	7	4	3	5	4	5	Bowels, Ulceration of	1	...	...	...	1	...	...	...	2	...	...	...	1	1	1	...	..
Males	...	...	...	...	1	...	2	...	1	...	2	...	..	6	2	1	4	2	4	" "	1	...	...	...	1	...	...	...	1	...	...	...	1	1	1	...	..
Females	...	...	1	...	...	...	...	...	...	...	...	...	..	1	2	2	1	2	1	" "	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	..
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	....	1	...	....	2	1	Brain, Compression of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	....	....	...	....	1	....	" "	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Males	1	...	...	...	...	...	...	...	1	...	1	...	..	3	3	9	11	3	7	Brain, Concussion of	...	...	1	...	...	...	1	...	1	...	...	...	...	...	...	...	..
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	..	1	3	....	2	....	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..
Total	16	16	15	14	9	11	16	16	11	9	16	26	..	175	146	175	158	134	152	Brain, Disease of	101	7	8	5	3	4	6	7	5	6	2	7	1	5	1	..	5	2
Males	10	8	5	6	6	6	6	7	7	4	7	12	..	84	82	103	92	77	86	" "	50	6	2	2	1	2	3	1	3	3	...	4	..	4	...	..	1	2
Females	6	8	10	8	3	5	10	9	4	5	9	14	..	91	64	72	66	57	65	" "	51	1	6	3	2	2	3	6	2	3	2	3	1	1	1	..	4	..

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.													Years.						Causes of Death.	Ages in Periods of Years,—1887.																					
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80	80 and over.	Unknown.
Total	...	1	1	...	1	1	3	8	7	3	2	1	..	28	25	15	37	21	29	Canker, (Noma)	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Males	...	...	...	...	...	...	...	2	3	2	...	1	..	8	9	7	20	13	12	" "	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Females	...	1	1	...	1	1	3	6	4	1	2	...	..	20	16	8	17	8	17	" "	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	1	...	1	...	Capsule Renal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	1	...	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	2	...	...	1	...	...	...	...	...	..	3	4	5	3	5	4	Carbuncle	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Males	...	...	...	2	...	...	...	...	...	...	...	...	..	2	3	3	3	2	4	"	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Females	...	...	...	...	...	...	1	...	...	...	...	...	..	1	1	2	...	3	...	"	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	30	12	23	25	34	34	46	40	38	36	22	40	5	385	350	297	305	306	268	Casuality	23	20	19	31	28	46	33	29	25	18	27	27	15	6	6	10	10	12
Males	27	11	19	23	29	28	36	36	35	31	18	35	3	331	305	255	261	274	235	"	16	15	14	28	28	44	31	27	23	17	22	23	10	4	4	8	6	11
Females	3	1	4	2	5	6	10	4	3	5	4	5	2	54	45	42	44	32	33	"	7	5	5	3	...	2	2	2	2	1	5	4	5	2	2	2	4	1
Total	1	1	2	1	2	2	1	2	2	2	3	1	..	20	16	16	11	9	6	Catarrh	4	...	...	...	...	1	...	2	1	1	1	2	1	2	...	4	1	...
Males	1	1	1	...	2	2	...	1	...	2	1	...	..	11	13	6	6	4	3	"	2	...	...	...	...	...	...	1	1	...	1	1	...	2	...	2	1	...
Females	...	...	1	1	...	...	1	1	2	...	2	1	..	9	3	10	5	5	3	"	2	...	...	...	...	1	...	1	...	1	...	1	1	...	...	2	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	2	...	...	Cellulitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	...	...	...	1	Chest Disease	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	...	1	...	...	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	...	...	...	...	...	...	...	...	...	...	...	1	..	1	1	3	...	1	1	Chicken-pox	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	1	1	1	...	"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	15	8	22	27	18	11	15	15	25	18	27	22	..	223	213	217	222	221	199	Child-birth	...	...	1	19	40	57	48	33	12	8	...	...	...	...	...	...	...	5
Total	4	3	3	2	4	2	6	3	6	3	5	3	..	44	21	38	44	45	48	Chills, Congestive	10	1	...	2	1	3	2	2	3	1	4	1	3	4	1	2	2	2

Males	1	2	1	1	2	2	3	2	5	3	4	1	..	27	10	17	24	21	27	Chills, Congestive	7	1	...	1	...	2	2	1	3	...	1	1	2	2	1	2	..	1
Females	3	1	2	1	2	...	3	1	1	..	1	2	..	17	11	21	20	24	21	" "	3	...	...	1	1	1	...	1	...	1	3	..	1	2	...	..	2	1
Total	...	...	...	...	2	1	...	1	...	...	...	..	..	4	1	2	2	2	4	Choking	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	...	...	...	..	...	1	...	...	...	...	...	..	..	1	1	1	...	1	2	"	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	..	2	...	...	1	...	...	...	..	..	3	...	1	2	1	2	"	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	9	11	6	4	20	34	162	180	134	46	8	5	2	626	653	360	781	465	428	Cholera Infantum	621	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Males	4	4	4	5	14	17	96	107	79	25	5	4	..	364	348	199	435	270	221	" "	360	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Females	5	7	2	4	6	17	66	73	55	21	3	1	2	262	305	161	344	195	207	" "	261	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Unknown	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	3	...	1	...	3	3	14	20	10	...	...	3	..	57	42	42	50	24	37	Cholera Morbus	18	8	4	...	...	1	2	...	6	2	...	2	6	5	2	1	...	...
Males	3	...	..	...	2	2	9	8	4	...	...	2	..	30	20	24	26	15	26	" "	11	4	...	...	...	1	1	...	2	1	...	2	4	2	2	..	...	...
Females	...	...	1	...	1	1	5	12	6	...	...	1	..	27	22	18	24	8	11	" "	7	4	4	...	...	...	1	...	4	1	...	...	2	3	...	1	...	...
Unknown	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	1	...	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	2	6	Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	1	7	"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	1	1	...	...	...	...	...	...	...	...	...	..	2	2	6	4	6	2	Chorea	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Males	...	1	...	...	...	...	...	...	...	...	...	...	..	1	...	1	2	3	...	"	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	1	...	...	...	...	...	...	...	...	...	..	1	2	5	2	3	2	"	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	1	...	...	Cirrhosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	1	...	...	...	Closing Pyloric Orifice	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	...	...	...	1	" " "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	4	3	2	2	5	...	1	2	1	4	1	4	..	29	33	46	13	19	30	Cold	20	2	...	...	1	1	...	1	...	...	...	...	1	2	...	1	...
Males	4	2	1	1	3	...	1	...	...	2	...	...	..	14	17	29	4	12	19	"	9	1	...	...	...	...	...	1	...	...	...	...	...	2	...	1	...	...
Females	...	1	1	1	2	...	...	2	1	2	1	4	..	15	16	17	9	7	11	"	11	1	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...	...
Males	...	...	...	...	...	...	...	1	1	...	...	...	..	2	1	2	...	4	1	Colic, Bilious	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	2	...	2	1	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	1	3	2	1	2	2	2	3	4	1	4	3	..	28	9	17	19	14	15	Colic	22	1	...	...	...	1	1	1	1	...	...	...	1	...	...	...	...	...

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	...	2	1	...	2	1	...	3	2	...	3	1	..	15	6	12	11	7	12	Colic	11	...	...	...	...	1	...	1	1	...	...	...	1	...	...	..
Females	1	1	1	1	...	1	2	...	2	1	1	2	..	13	3	5	8	7	3	"	11	1	...	...	...	...	1	...	...	...	...	...	...	...	...	..
Total	...	...	...	...	1	...	...	...	2	1	...	...	..	4	1	...	2	...	...	Constipation	1	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	..
Males	...	...	...	...	...	...	...	...	1	1	...	...	..	2	1	...	1	...	...	"	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	..
Females	...	...	...	...	1	...	...	...	1	...	...	...	..	2	...	...	1	...	...	"	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	..
Total	136	152	206	198	183	177	192	184	179	152	177	185	6	2127	2051	1964	2198	1992	1804	Consumption	124	20	37	198	315	306	209	162	119	134	97	97	77	92	65	36	15	24
Males	73	63	86	93	94	84	84	88	90	68	84	76	2	985	950	935	1025	912	832	"	71	9	16	67	109	148	90	77	54	73	48	56	43	56	33	15	9	11
Females	63	89	120	105	89	93	108	95	89	84	93	109	4	1141	1101	1028	1173	1080	972	"	52	11	21	131	206	158	119	85	65	61	49	41	34	36	32	21	6	13
Unknown	...	...	...	...	...	...	...	1	...	...	...	...	..	1	...	1	...	...	...	"	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Total	39	42	37	33	38	42	49	55	37	34	31	35	2	474	431	452	436	344	356	Convulsions	427	9	3	5	4	3	2	5	3	...	5	..	1	..	1	1	..	5
Males	22	22	18	20	24	23	22	35	23	22	20	16	..	267	229	266	228	174	198	"	239	8	2	3	1	1	2	3	2	...	2	..	...	...	...	1	..	3
Females	17	20	19	13	14	19	27	20	14	12	11	19	2	207	200	186	206	170	158	"	188	1	1	2	3	2	...	2	1	...	3	..	1	..	1	..	..	2
Unknown	...	...	...	...	...	...	...	...	...	...	...	...	..	....	2	....	2	....	....	"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	....	....	....	5	....	....	Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Females	...	...	...	...	...	...	...	...	1	...	...	...	..	1	....	....	2	....	....	"	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Total	18	6	7	5	3	1	4	3	11	19	18	22	..	117	104	46	40	52	46	Croup, Membranous	82	34	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Males	8	3	5	4	2	1	1	2	6	12	10	14	..	68	57	28	24	27	29	" "	51	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Females	10	3	2	1	1	...	3	1	5	7	8	8	..	49	47	18	16	25	17	" "	31	17	1	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Total	26	24	28	22	18	10	21	10	26	33	23	41	..	282	296	291	285	284	303	Croup	243	36	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Males	16	15	16	11	12	6	10	4	16	19	11	23	..	159	155	157	142	154	183	"	135	23	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Females	10	9	12	11	6	4	11	6	10	14	12	18	..	123	141	134	143	130	120	"	108	13	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..

Males														1	2			1	
Females														1				3	
Total	1						1		2		1			5	30	13			5
Males	1								2		1			4	9	5			2
Females							1							1	21	8			3
Total	22	10	15	23	25	18	23	29	16	20	15	22	1	239	218	282	287	274	191
Males	9	6	8	16	12	15	8	12	10	6	6	16	1	125	125	158	130	141	115
Females	13	4	7	7	13	3	15	17	6	14	9	6		114	93	121	157	133	76
Unknown																3			
Males					3		2					2		7	3	1	3	8	4
Females																3		1	
Total	3	6	2	2	7	2	7	2	8	9	9	4		61	68	65	49	58	52
Males	3	2	2	2	2	2	2	2	5	5	8	3		38	46	37	33	44	33
Females		4			5		5		3	4	1	1		23	22	28	16	14	19
Total		1		1		2	1	1	2	2	4	1		15	15	22	23	17	10
Males				1		1	1	1	1	2	4	1		12	11	15	20	13	5
Females		1				1			1					3	4	7	3	4	5
Total	2	3	5	8	11	25	131	117	63	19	8	7		399	363	239	386	250	249
Males	2	2	3	6	6	13	71	60	25	9	4	3		204	186	151	221	133	139
Females		1	2	2	5	12	60	57	38	10	4	4		195	177	88	164	117	110
Unknown																	1		
Total	91	61	60	55	47	58	60	72	105	124	97	102	3	935	1117	1054	1065	1007	1416
Males	45	28	32	25	20	42	27	38	51	58	44	61	3	474	553	503	501	500	671
Females	46	33	28	30	27	16	33	34	54	66	53	41		461	564	551	563	507	745
Unknown																	1		
Males																1		1	1
Total		2		1		1	1			2				7	5	1	3	2	5

Cyanosis																			
"																			
Debility, Nervous					1											2	2		
" "					1											2	1		
" "																	1		
Debility	129	1	1	2		2	2	2		1	3	5	10	20	25	19	14	3	
"	72		1	1		1				1	1	2	5	10	13	9	8	1	
"	57	1		1		1	2	2			2	3	5	10	12	10	6	2	
"																			
Delirium Tremens							1	1	1	2		1							1
" "																			
Diabetes	2	2	5	2	3	4	5	3	5	2	8	1	5	5	1	5	2	1	
"	1	1	3		1	3	3	2	1	1	6	1	3	5	1	5	1		
"	1	1	2	2	2	1	2	1	4	1	2		2				1	1	
Diarrhea, Chronic	1			1	1				1		1	4	4	2					
" "				1					1		1	4	3	2					
" "	1				1								1						
Diarrhea	360	13	3	2	1	1	1	1		1	1	1	2	3		4	4	1	
"	179	10	2	1	1					1	1	1	1	2		2	3		
"	181	3	1	1		1	1	1					1	1		2	1	1	
"																			
Diphtheria	450	287	119	39	12	6	2	3	2	1			2	2	1		2	7	
"	241	148	44	23	6	2	1	1	1				1	1			2	3	
"	209	139	75	16	6	4	1	2	1	1			1	1	1			4	
"																			
Drinking Cold Water																			
Dropsy of Bowels	1							1				2	1		1		1		

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	---	1	---	---	---	1	---	---	---	2	---	---	..	4	2	1	3	1	1	Dropsy of Bowels	1	---	---	---	---	---	---	---	---	---	1	1	..	1	---	---	---
Females	---	1	---	1	---	---	1	---	---	---	---	---	..	3	3	---	---	1	4	" "	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	1	---
Total	5	2	5	3	4	2	7	7	5	7	6	4	..	57	34	27	41	38	35	Dropsy of Brain	48	3	---	1	1	---	---	---	---	---	1	3	---	---	---	---	---
Males	2	1	3	2	2	---	4	6	3	5	4	---	..	32	14	12	19	24	20	" "	27	3	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---
Females	3	1	2	1	2	2	3	1	2	2	2	4	..	25	20	15	22	14	15	" "	21	---	---	1	1	---	---	---	---	---	1	1	---	---	---	---	---
Total	---	---	2	---	1	---	---	1	---	---	---	---	..	4	1	2	1	11	3	Dropsy of Chest	1	1	---	---	---	---	---	---	---	---	---	1	---	---	1	---
Males	---	---	2	---	1	---	---	---	---	---	---	---	..	3	1	1	1	6	2	" "	---	1	---	---	---	---	---	---	---	---	---	1	---	---	1	---
Females	---	---	---	---	---	---	---	1	---	---	---	---	..	1	---	1	---	5	1	" "	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total	8	8	3	8	13	10	10	10	11	3	11	12	..	107	64	69	70	73	64	Dropsy of Heart	3	1	1	4	1	---	4	8	3	7	8	10	12	15	12	14	3	1
Males	4	5	1	5	5	5	5	5	7	---	5	7	..	54	29	38	30	35	36	" "	1	1	1	4	---	---	---	5	---	4	5	5	5	10	8	3	1	1
Females	4	3	2	3	8	5	5	5	4	3	6	5	..	53	35	31	40	38	28	" "	2	---	---	---	1	---	4	3	3	3	3	5	7	5	4	11	2	---
Males	---	1	---	---	---	---	---	---	---	---	---	---	..	1	---	---	1	---	1	Dropsy of Kidneys	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---
Males	---	---	---	---	---	---	---	---	---	---	---	---	..	---	2	---	1	---	---	Dropsy of Liver	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Females	---	---	---	---	---	---	---	---	---	---	---	---	..	---	1	---	---	---	---	" "	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total	13	16	24	25	31	33	34	36	33	33	25	34	1	338	333	330	324	296	317	Dropsy (unspecified)	16	11	5	6	5	9	4	14	11	19	29	22	32	62	27	36	27	3
Males	5	7	14	11	14	20	16	19	18	17	15	13	1	170	138	147	142	145	161	" "	12	5	3	3	1	4	---	6	4	9	9	13	19	34	16	11	19	2
Females	8	9	10	14	17	13	18	17	15	16	10	21	..	168	195	183	182	151	156	" "	4	6	2	3	4	5	4	8	7	10	20	9	13	28	11	25	8	1
Total	---	2	3	12	18	42	41	17	4	10	6	7	1	163	144	132	150	158	140	Drowning	16	18	24	29	14	13	11	4	4	1	2	1	3	1	1	---	---	21
Males	---	2	2	9	16	36	37	16	4	10	5	7	1	145	129	125	128	138	126	"	9	16	24	27	14	11	11	4	4	1	2	1	3	---	1	---	---	17
Females	---	---	1	3	2	6	4	1	---	---	1	---	..	18	15	7	22	20	13	"	7	2	---	2	---	2	---	---	---	---	---	---	---	1	---	---	---	4
Unknown	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	1				1		1	1	2		2	1		9	13	14	20	16	12	Fever, Bilious	1	1	2				1			1	1		1		1			
Females					3	1	1	1	3	1	1	1		12	9	10	18	12	19	" "	4			2	1		2			1			1		1			
Total	1	4	2		1									8	6	5	5	6	5	Fever, Catarrhal	4	1	1									1		1			
Males	1	2	2		1									6	3	1	3	3	2	" "	4	1										1					
Females		2												2	3	4	2	3	3	" "			1											1			
Males																1	2		2	Fever, Congestive																	
Females					1									1	1			1	1	" "											1						
Males																			3	Fever, Continued																	
Females																			1	" "																	
Total	1		2						1		1	3		8	6	6	6	6	14	Fever, Gastric	3					1		2				1		1			
Males			1								1			2	4	1	1	2	6	" "	1							1									
Females	1		1						1			3		6	2	5	5	4	8	" "	2					1		1				1		1			
Total	1			1	1	2	2	1	2	3	2			15	25	18	21	21	34	Fever, Intermittent	6	2		1	1	1			1		1		1			1		
Males					1		1	1		3	1			7	10	5	10	12	25	" "	4	1									1			1			
Females	1			1		2	1		2		1			8	15	13	11	9	9	" "	2	1		1	1	1			1		1						
Total	7	1	6	14	7	5	6	18	13	16	9	7		109	120	84	115	81	98	Fever, Malarial	27	12	5	15	7	5	4	6	3	4	1	3	5	3	4	3	2	
Males	4		4	6	2	4	2	11	9	7	3	5		55	64	42	53	41	48	" "	17	5	2	8	2	1	2	4	1	1		2	3	2	1	2	2	
Females	3	1	2	8	5	1	4	7	4	9	6	4		54	56	41	62	40	50	" "	10	7	3	7	5	4	2	2	2	3	1	1	2	1	3	1		
Unknown																1				" "																	
Females			1	1			1					1		4	5	1	1	1	2	Fever, Milk						2	1		1								
Males										1				1	1	1	1	2		Fever, Nervous	1																	

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.													Years.						Causes of Death.	Ages in Periods of Years,—1887.																									
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females															2					Fistula																	
Males																	1		1	Fracture of Arm																	
Total	1		1						1	1	1	2		7	5	2	12	7	9	Fracture of Leg			1			1			1			1	2			1	
Males	1		1						1	1		2		6	2	2	6	6	2	" "			1			1			1				2			1	
Females											1			1	3		6	1	7	" "											1						
Total				1			1	1	1			2		6	1	4	3	2	3	Fracture of Neck				1			1			1		1	1			
Males							1	1	1			2		5	1	3	2	2	3	" "				1			1			1		1		1			
Females				1										1		1	1			" "														1			
Males	1	2	1	1		2	1	2	2	1		1		14	12	5	6	8	1	Fracture of Skull			1	2	1	2	5	1		1							1
Females															1			2	1	" "																	
Males							2				2			4	2	1	1	3	4	Fracture of Spine				1		1		1				1				
Females																			2	" "																	
Total	1				1			2						4	3	3	2	2	1	Fracture	1											1				2	
Males	1													1	1		2	1	1	"												1					
Females					1			2						3	2	3		1		"	1															2		
Males	1													1	4	6	1		3	Freezing																	1
Females															1					"																	
Males												1		1		1				Fright	1																
Females															1	1	1	1		"																	
Total	1			1	1			1	1	1		1		7	7	9	5	2	3	Gall-stone								1			1	1	2	1		
Males									1			1		2	5	3	1	2		"											1			1			

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years, -1887.																					
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males					2		1	1			1			5	1	1	1	5		Heart, Fatty Degen. of												3		1		1
Females							1							1	2	2		3	2	" " "														1			
Males															2	1		4		Heart, Inflammation of																
Females	1						1							2	1			5	4	" " "	1		1														
Total	2	4		8	4	3	2	1	4	4	1	1		34	17	27	27	16	17	Heart, Neuralgia of	1			1	1		4	1	5		2		3	5	1	6	4	
Males		2		5	2	1		1	2	1	1	1		16	7	12	14	9	11	" " "					1				3		1		2	2		5	2	
Females	2	2		3	2	2	2		2	3				18	10	15	13	7	6	" " "	1			1			4	1	2		1		1	2	1	1	2	
Males																1	1	1		Heart, Ossification of																		
Females															1				1	" " "																		
Total	2	2	1	3	6		2	3	1	3	6	4		33	25	25	27	14	15	Heart, Paralysis of		1	1	2	1	2	1			1	1	3	6	7	3	2	2	
Males	2		1	2	3		1	2		1	5	2		19	12	10	14	7	11	" " "			1			1	1					4	6	3	1	2	
Females		2		1	3		1	1	1	2	1	2		14	13	15	13	7	4	" " "		1		2	1	1				1	1	3	2	1		1		
Males						1						2		3				1	1	Heart, Rupture of											1	2					
Total	1	2		1	1				2		1	2		10	3		1	2	1	Heart, Valvular Disease of					1	1		1			1	1	4	1			
Males	1	1			1						1	1		5				2	1	" " " "					1			1					3				
Females		1		1					2			1		5	3		1			" " " "						1					1	1	1	1			
Males		1										1		2					1	Hemorrhage of Bladder													1			1	
Females																	1			" " "																	
Total			1						1	4	1			7	8	5	15	9	5	Hemorrhage of Bowels	1				1	1	1	1			1		1					
Males									1	3	1			5	4		9	4	3	" " "					1	1	1				1		1					
Females			1							1				2	4	5	6	5	2	" " "	1							1										

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males		1		1		1						1		4	2	4	4		5	Hip Disease	1	1		1				1									
Females							1	1						2	4	5	2		2	" "		1		1													
males																			1	Homesickness																
ales							1							1		1		3	4	Hydrocephalus	1															
emales																1	3	2		"																	
Males							1		1					2		1	1			Hydrophobia				1											1		
Total		1	3	1	1	2			1					9	20	13	28	24	18	Inanition	9																
Males		1	2		1	2			1					7	8	5	9	13	9	"	7																
Females			1	1										2	11	8	19	11	9	"	2																
Unknown															1					"																	
Total		1	1	1	3	2	2	7	1	4	2	5		29	13	14	11	9	8	Indigestion	20	1								2		2	2	2		
Males		1	1	1	2	1	2	3	1	3	1	4		20	7	9	4	7	2	"	12	1								1		2	2	2	2		
Females					1	1		4		1	1	1		9	6	5	7	2	6	"	8									1							
Males																	1		1	Infanticide																
Females																		3		"																
Unknown																1				"																
Total	31	42	72	70	57	50	63	57	51	45	55	61	4	658	595	548	490	103	43	Infantile	658															
Males	21	28	40	47	39	34	41	27	28	30	31	36	2	407	378	316	290	55	21	"	407															
Females	9	14	32	23	18	16	22	30	23	15	21	25	2	250	211	228	189	48	21	"	250															
Unknown	1													1	6	4	11		1	"	1															
Total	2	3	2	2	2	3	8	3	4	4	6	4		43	39	44	44	43	58	Inflammation	25	2		1	3	2	1	1	2	1		2	3			

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females				2			1	1			1	2		7	10	5	7	3	3	Kidneys, Inflam. of	1			1	1		1		1					1	1		
Males															2	3			6	Laryngitis																
Females															2		1		2	"																
Unknown																			1	"																
Males																			1	Leprosy																
Males						1		1						2	4	6	7	7	2	Lightning										1						1
Females															2	1	3	4		"																
Total	1							2	1			1		5	11	7	10	11	7	Liver, Abscess of					1	1		1			1			1		
Males								1	1					2	6	5	8	5	4	" "					1									1		
Females	1							1				1		3	5	2	2	6	3	" "						1		1		1						
Total			1	1				1			1			4	2	2	1	2	5	Liver, Cirrhosis of				2					1			1				
Males			1	1				1						3	2	1	1	2	4	" "				1					1			1				
Females											1			1		1			1	" "				1												
Total	3	8	9	6	5	9	5	7	14	5	6	9		86	69	71	86	85	87	Liver, Disease of	3			2	3	2	4	3	3	2	10	6	14	14	13	6	1	
Males	2	4	4	4	3	7	5	3	5	2	5	4		48	40	39	49	37	45	" "	2			1	2		3		2	2	4	3	8	9	7	4	1	
Females	1	4	5	2	2	2		4	9	3	1	5		38	29	32	37	48	42	" "	1			1	1	2	1	3	1		6	3	6	5	6	2		
Total	2		2			2	1	1		1	2			11	4	16	18	5	10	Liver, Enlargement of	2	1		1	1		1	1	1	1	1			1				
Males	1		2								1			4	4	7	7	2	4	" "		1					1		1		1						
Females	1					2	1	1		1	1			7		9	11	3	6	" "	2			1	1			1		1			1				
Total		1	1	1	1	2	1	1		2	1	3		14	8	6	9	11	6	Liver, Inflam. of	2						1	1		2	2		2	2	2		
Males			1	1		1		1		1	1	3		9	3	2	4	8	3	" "	2						1	1		1	2		1	2	1		

Females			1			1	1		1			1				5	5	4	5	3	3	Liver, Inflam. of											2	1		1		1		
Total								1	1		1		1		4	1	1	1	3	2	Liver, Ulceration of												3		1				
Males													1		1	1	1		2	1	" "													1				
Females							1	1		1				3				1	1	1	" "												3				
Males							1	2			1			4	7		4	6	3		Lungs, Abscess of			1			1				1			1			
Females															7	1	1	6	1		" "																
Total	29	28	28	34	16	11	13	8	9	15	20	17	1	229	218	165	166	185	172		Lung Disease	110	2	6	4	7	3	6	12	6	3	4	13	10	10	11	12	6	4
Males	21	17	18	18	11	7	7	6	6	8	15	11		145	127	88	88	103	94		" "	73	1	4	1	5	2	5	6	4	3	3	9	5	8	7	4	3	2
Females	8	11	10	16	5	4	6	2	3	7	5	6	1	84	91	77	78	82	77		" "	37	1	2	3	2	1	1	6	2		1	4	5	2	4	8	3	2
Unknown																			1		" "																
Females																			2		Lungs, Œdema of																
Males							1							1		1		1			Lungs, Paralysis of		1															
Females																1		1	1		" "																
Males																			4		Malaria																
Females								1						1					5		"														1		
Total			3	1	3		1	1	1		1			11	8	7	7	8	12		Malformation	11																
Males			1	1					1		1			4	6	5	3	5	11		" "	4																
Females			2		3		1	1						7	2	2	4	3	1		" "	7																
Males																			2		Mania																
Total	1	3	3	4		3	1	3			1	2		21	57	60	44	9	52		Marasmus	21																
Males	1	1	2	3		2	1	3			1	1		15	38	31	25	7	29		"	15																
Females		2	1	1		1						1		6	19	29	19	2	23		"	6																
Total	20	22	19	30	47	33	20	15	12	17	23	26	1	285	129	38	144	258	150		Measles	215	32	11	10	4	3	2	1	1	2				1	1			2
Males	7	15	14	15	28	19	13	8	6	8	16	14		163	64	19	65	113	82		"	126	18	6	6		2	1	1		1				1	1			
Females	13	7	5	15	19	14	7	7	6	9	7	12	1	122	65	19	79	144	68		"	89	14	5	4	4	1	1		1	1								2
Unknown																		1			"																
Males																		2	3		Meningitis, Cerebral																

TABLE 78—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females																			1	Meningitis, Cerebral																	
Total						1	1			1	1	1		5	7	6	13	17	24	Meningitis, Cerebro-spinal	2	1			1			1									
Males						1				1		1		3	3	2	6	11	14	" "	1	1			1												
Females							1				1			2	4	4	7	6	10	" "	1							1									
Total	8	5	10	9	4	4	5	13	5	6	4	4		77	70	60	101	83	84	Meningitis, Spinal	52	6	5	3	4	2	1		1	1	1					1	
Males	3	3	3	3	2	2	3	9	2	3	1	4		38	32	31	61	43	42	" "	29	1	2	1	2					1	1					1	
Females	5	2	7	6	2	2	2	4	3	3	3			39	38	29	40	40	42	" "	23	5	3	2	2	2	1		1								
Total					1			1	1		1			4	6	5	5	5	9	Meningitis, Tubercular	3	1															
Males					1									1	3	1	2	5	7	" "	1																
Females								1	1		1			3	3	3	3		2	" "	2	1																
Unknown																1				" "																	
Total	3	3	1	1	2	2	1	1		2	1	2	1	20	28	31	16	20	16	Meningitis	13	2		1	1	1	1		1								
Males	1	1		1	1	1	1	1		1	1			9	15	17	11	9	7	"	5	1		1	1	1											
Females	2	2	1		1	1				1		2	1	11	13	14	5	10	9	"	8	1					1		1								
Unknown																		1		"																	
Females										1				1	1	1				Menses				1													
Females								1						1	1		2	1	1	Milk Leg (Phleg.Dolens)							1									
Females													1	1				2		Mortification									1							
Total					1				2					3	6	9	7	5	5	Mouth Disease	3																
Males					1				1					2	4	3	3	2	2	" "	2																
Females									1					1	2	6	4	3	3	" "	1																

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males					1			1				1		3	3	9	10	7	8	Overdose of Medicine	2							1							
"												1		1	4		1		5	" "						1										
"															1	1				Over-work																
"				1										1						" "				1												
"																		1		Pancreas Disease																
"															1					" "																
	2	1		1			2	2	3	3	1			15						Paralysis, General						4	1	4	4	1	1					
	2	1		1			1	2	3	3	1			14						" "						4	1	4	4	1						
							1							1						" "											1					
Total	22	37	41	37	40	34	37	33	46	48	36	38	1	450	485	400	397	345	357	Paralysis	6	5	4	1	7	4	4	13	21	15	30	34	47	63	63	67	63	3
Males	11	22	19	15	28	19	20	20	27	27	21	21	1	251	290	202	211	206	198	"	3	3	3		3	2	2	6	12	9	12	18	25	36	38	39	39	1
Females	11	15	22	22	12	15	17	13	19	21	15	17		199	195	196	186	139	159	"	3	2	1	1	4	2	2	7	9	6	18	16	22	27	25	28	24	2
Unknown																2				"																	
Females																		1		Peritonitis, Puerperal																	
Total	3	2	2	4	7	3	2	6		3		3		35	32	22	27	16	21	Peritonitis	2	2	4	5		4	5	3	1	1	1	2	1	1	1	2	
Males	1	1			5	2		4						13	13	10	10	10	11	"		2	3	1		2	1	1				1	1			1	
Females	2	1	2	4	2	1	2	2		3		3		22	19	12	17	6	10	"	2		1	4		2	4	2	1	1	1	1		1	1	1		
Females																		1		Pharyngitis																	
Males															1		5	3	1	Piles																	
Females															1		1	3		"																	
Total		1	3	3	4			3	4	1	3	3		25	20	16	18	20	16	Pleurisy	2			2	4	1			1	1	2		3	2	2	4	1	

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																					
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females				1	1	1	2			2	1			8	5	8	6	9	5	Railroad Accident		1	1		1	2		1			2								
Males																			1	Rheumatism of Bowels																		
Males															1					Rhumatism of Brain																		
Total		2	6	5	3	1	4	2	1	4	4	6		38	31	34	31	23	21	Rheumatism of Heart				3	1	2		4	2	2	2	4	4	1	6	2	3	1
Males		1	4	4	2	1	2	1	1	4	3	6		29	19	22	22	16	15	" " "				1	1	2		2	1	2	3	3	3	1	6		3	1
Females		1	2	1	1		2	1			1			9	12	12	9	7	6	" " "				2				2	1			1	1			2		
Total	1	2	3	2	2	5	1	1	2	1		1		21	22	14	18	29	16	Rheumatism, Inflam	1	1	1	3	4	3	2			1				2	1	1	1	
Males		1	1	1	2	3				1				9	9	9	11	17	9	" "			1		1	2	1			1				1		1	1	
Females	1	1	2	1		2	1	1	2			1		12	13	5	7	12	7	" "	1	1		3	3	1	1						1	1				
Total					1			2	1					4	5	3	3	6	3	Rheumatism, Sciatic				1		1				1	1							
Males								1	1					2	4	1	1	2	2	" "				1		1												
Females					1			1						2	1	2	2	4	1	" "										1	1							
Total	7	2	12	10	9	9	9	6	5	5	5	5		84	80	52	72	43	56	Rheumatism	2	2	4	1	3	1	4	4	3	6	1	8	7	8	10	15	2	3
Males	6	1	9	8	6	5	6	4	3	1	4	3		56	49	29	38	22	36	"	1	2	2	1	2	1	3	3	3	2	1	3	6	4	9	8	2	3
Females	1	1	3	2	3	4	3	2	2	4	1	2		28	31	23	34	21	20	"	1		2		1		1	1		4		5	1	4	1	7		
Total	4	1	1	2	2		1			2		2		15	14	9	12	8	14	Rupture of Blood Vessel		1		2	1	1		2		1	3		4					
Males	2	1		1						1		2		7	8	6	6	5	7	" " "						1		1		1	3		1					
Females	2		1	1	2		1			1				8	6	3	6	3	7	" " "		1		2	1			1					3					
Males				1										1						Scald Head	1																	
Total		1	6	2	3		1	1	2	3	1	2		22	22	32	21	20	26	Scalding	17	2						2					1				
Males			3	2	1			1	2	1	1	2		13	9	23	14	15	10	"	11	1						1										

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females																			1	Spine, Injury of																	
Total	2				1							1		4		3			2	Spine, Paralysis of						1				1			1	1		
Males	1											1		2		3			2	" "										1			1			
Females	1				1									2						" "						1								1		
Males										1				1	5	1	2	1	1	Spleen Disease										1						
Females															3		2		3	" "																	
Males															1	1		1		Starvation																	
Females					1									1					1	"															1		
Total	53	69	81	103	63	53	76	61	72	84	85	95	2	897	909	1008	919	884	792	Still-born	897															
Males	29	48	32	60	37	31	38	35	43	49	47	54		503	500	606	541	513	438	"	503															
Females	23	20	44	39	22	22	35	22	28	32	34	37	1	359	366	372	324	328	321	"	359															
Unknown	1	1	5	4	4		3	4	1	3	4	4	1	35	43	30	54	43	33	"	35															
Total	1	3	3	2	2	2	4	3	4	5	1	2		32	31	29	26	26	17	Stomach Disease	7		1		1			2	3	1	1	2	3	2	6	1	1	1
Males	1			2	1	1	3		3	2	1	2		16	16	15	17	16	9	" "	4		1								1	2	1	5	1		1
Females		3	3		1	1	1	3	1	3				16	15	14	9	9	8	" "	3				1			2	3	1	1	1	1	1		1	
Unknown																		1		" "																	
Total		6	7	1	2	6		2	1	5	2	3		35	37	44	39	42	33	Stomach, Inflam. of	11	1	2	1	2	2	2					2	2	7	2		1	
Males		2		1		4		1	1	2		3		14	19	18	14	20	15	" "	5	1		1										6			1	
Females		4	7		2	2		1		3	2			21	18	26	25	22	18	" "	6		2		2	2	2					2	2	1	2			
Total			3			1				1	1	1		7	9	3	6	3	2	Stomach, Neuralgia of										1		2	1	1	2		
Males			2							1	1	1		5	2		2			" "										1		1			2		

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total		1			1	2	14	6						24	6	10	7	3	5	Sun-stroke	3	2	1	1		1	4	2	1	1	1	2		4				1
Males		1			1	1	13	3						19	5	9	6	3	5	"	1	1		1		1	3	2	1	1	1	2		4				1
Females						1	1	3						5	1	1	1			"	2	1	1				1											
Total				1		2				1		1		5	8	4	6	2		Surgical Operation	1					1			1		1		1				
Males				1		1				1				3	4	2	4			" "	1					1					1						
Females						1						1		2	4	2	2	2		" "									1				1				
Males								1						1						Syncope													1				
Total		1				1			1		1			4	9	16	14	9	6	Syphilis	1					1	1					1					
Males						1								1	6	8	7	2	4	"						1											
Females		1							1		1			3	3	8	7	7	2	"	1						1					1					
Total							1		1					2				1	3	Tape Worm	1												1				
Males							1							1				1	2	" "	1																
Females									1					1					1	" "																	
Total	3	3	5	7	5	3	12	21	5	6	2	9		81	75	49	57	55	83	Teething	81																
Males	2	1	3	2	1	2	7	10	2		1	5		36	40	32	35	40	39	"	36																
Females	1	2	2	5	4	1	5	11	3	6	1	4		45	35	17	22	15	44	"	45																
Total	1		1		2		1	1			1			7	3	3	3	4	15	Tetanus (Locked Jaw)	4			2					1							
Males	1		1		2		1							5	2	3	2	4	12	" "	2			2					1							
Females								1			1			2	1		1		3	" "	2																
Total		2		1	1	2	1	6	3	3	2	4		25	22	18	19	26	20	Throat Disease	8	5	1	2	1			2	3			2		1			
Males		1		1	1	1	1	4	1		2	4		16	10	11	9	10	11	" "	4	3	1	2	1			1	1			2		1			

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over	Unknown.
Females															1				1	Tumor on Throat																	
Total	7	5	6	5	8	5	4	4	3	6	1	7	1	62	60	67	54	41	38	Tumor (unspecified)	5		1	1	4		5	8	3	2	5	11	5	4	6	1	1
Males	1	3	1	1	2	1				2	1	2		14	13	21	17	13	5	" "	3		1	1				2	1			1	1	3	1			
Females	6	2	5	4	6	4	4	4	3	4		5	1	48	47	46	37	28	33	" "	2				4		5	6	2	2	5	10	4	1	5	1	1
Females	1			1	1	1	2			1		1		8	10	5	6	5	6	Turn of Life								1	3	1		3					
Females																			1	Ulcer on Back																	
Females																			1	Ulcer on Leg																	
Males										1				1					1	Ulcer on Neck								1									
Total			4		1		3	1		2	2			13	10	7	7	6	5	Ulcers (unspecified)	1				1			1		2	1	1	1	2	1	1		1
Males			3		1		1			1	1			7	5	6	4	1	3	" "					1					1	1	1	1				1
Females			1				2	1		1	1			6	5	1	3	5	2	" "	1							1		1				1	1	1		
Total	92	81	107	100	85	96	119	138	124	102	84	102	19	1249	1040	949	1066	1385	1455	Unknown	634	41	35	31	33	37	23	29	27	25	36	27	35	53	40	31	29	83
Males	52	40	60	44	35	44	62	74	60	57	50	41	9	628	572	495	524	756	779	"	338	20	15	7	10	13	9	10	10	6	18	15	21	35	20	20	18	43
Females	40	41	47	56	49	52	54	64	64	45	34	60	10	616	461	452	537	623	671	"	294	21	20	24	23	24	14	19	17	19	18	12	14	18	20	11	11	37
Unknown					1		3					1		5	7	2	5	6	5	"	2																	3
Total					1			1			1			3	1	6		2		Uræmia													1		1	1		
Males					1			1						2		4		2		"															1	1		
Females											1			1	1	2				"													1					
Males						1								1	1	1	2	2	1	Urinary Organs, Dis. of															1			
Females																1		1		" "																	
Females	1													1	9	3	2	2	1	Uterine Tumor													1				

| | | |

UNUSUAL CAUSES OF DEATH.

There were 385 deaths in 1887 compiled in Table 78 as "Casualty." This is more by 35 than were reported in 1886 and is the largest number ever registered in the State. Accidental shooting had seventeen victims in 1887, three less than in 1886. Horses, by kicking, runaways and wagon accidents, disposed of 37 human lives as compared with 53 in 1886.

TABLE 79.—*Deaths in Michigan in 1887 Compiled as "Casualty."*

Casualty,—Causes as Returned.	No.	Casualty,—Causes as Returned.	No.
Total number tabulated as Casualty in Table 78	385	Killed in a cyclone	1
		Killed by a falling building	6
Accidental, unclassified	167	Killed in mine	31
Accidental explosion	14	Killed in mill	15
Accidentally killed	13	Killed on farm	4
Accidental shooting	17	Killed in sewer	1
Boiler explosion	7	Killed by elevator	6
Burned by gasoline	3	Killed by logs	10
Burned by fire from stove	5	Killed in woods	8
Caving in of bank	3	Killed by a mowing machine	2
Drinking carbolic acid	2	Kicked by a horse	14
Electric shock	1	Kicked by a cow	1
Explosion of powder	3	Roller skating	1
Falling, unspecified	19	Run over by street cars	1
Fall from a building	4	Runaway team	8
Fall from a wagon	7	Rusty nail in her foot	1
Fracture of neck	8	Run over by a hack	1
Gored by a bull	4	Thrown from a horse	4
Hit by a ball club	1	Thrown from a carriage	2

STATISTICS CONCERNING SUICIDE.

The number of deaths returned as suicidal in 1887 was 105, which was greater than that of the previous year, and also greater than the average for the 14 years 1874–1887. The total number returned for the fourteen years is 1,004, and the yearly average is 72. Of the 105 deaths reported as suicides, 75 were males and 30 were females, or the ratio of males was 71.43 and that of females was 28.57.

The classification by nativity shows that 555 were natives of the United States, 237 having been born in Michigan and 318 in other States. Three hundred and seventy were of foreign birth, and in 79 cases the nativity was not reported. Of the foreign-born fifty-seven were from Canada, 48 from England, 187 from Germany, 32 from Ireland, and 18 from Scotland. The classification by conjugal condition shows that 603 were married, 270 were single, 85 were widowed, and in 46 cases the conjugal condition was not stated in the returns.

As regards the means employed, poison leads with 162, followed by hanging with 138, shooting 99, drowning 55, and cutting throat 22. In 519 cases the manner of death was not stated in the returns. In Massachusetts there were returned in 1887, 173 suicides, of which number 40 were by shooting, 25 by cutting throat, 27 by drowning, 28 by hanging, 53 by poison, and 4 by other methods.

TABLE 80.—*Certain facts Concerning Persons returned as having Died by Suicide in Michigan during the years 1874-1887.*

Years.	Number.	Months of Death.													Sex.			Color.	Condition.			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Totals.	Males.	Females.	White.	Married.	Single.	Widowed.	Unknown.
Totals	1,004	53	44	70	87	97	99	81	104	87	89	96	94	3	1,004	754	249	1,004	603	270	85	46
1874	53	7	3	4	1	4	5	5	4	3	5	6	6	.....	53	31	22	53	28	17	4	4
1875	52	3	4	3	4	8	4	4	4	5	3	6	4	.....	52	42	10	52	34	10	3	5
1876	54	3	1	3	7	7	8	2	4	5	6	5	3	.....	54	43	11	54	35	12	3	4
1877	66	2	5	7	4	7	5	6	7	4	2	7	10	.....	66	46	20	66	38	23	2	3
1878	63	5	2	5	5	5	9	5	7	5	6	5	4	.....	63	40	23	a 63	41	16	4	2
1879	59	3	2	4	7	3	8	5	7	5	4	4	7	.....	59	46	13	59	35	19	3	2
1880	65	4	3	6	8	9	6	3	4	7	2	6	6	1	65	50	15	65	38	20	4	3
1881	57	1	5	3	3	4	4	7	9	7	4	6	4	.....	57	42	15	57	34	11	9	3
1882	62	2	3	4	6	8	7	2	7	5	7	4	6	1	62	44	18	62	32	24	3	3
1883	91	5	1	7	9	5	8	11	9	4	6	16	10	.....	91	69	22	91	53	23	12	3
1884	104	4	5	7	8	6	16	8	8	14	10	10	8	.....	104	84	20	104	71	28	4	1
1885	91	4	4	3	7	7	9	9	11	4	14	10	8	1	b 91	78	12	91	55	19	13	4
1886	82	7	2	4	6	13	5	4	11	9	7	5	9	.....	82	64	18	82	46	20	11	5
1887	105	3	4	10	12	11	5	10	12	10	13	6	9	.....	105	75	30	105	63	28	10	4

a 1 Mulatto.

b 1 Sex unknown.

TABLE 80.—CONTINUED.—*Suicidal Deaths.*

Occupations.	No.	Occupations.	No.	Occupations.	No.
Agents	7	Farmers' wives	2	Physicians	7
Architects	1	Gardeners	2	Policemen	1
Bakers	2	Harness-makers	2	Printers	4
Bankers	2	Hatters	1	Prostitutes	7
Barbers	2	Hotel-keepers	4	Sailors	4
Blacksmiths	3	House-keepers	90	Salesmen	3
Book-keepers	11	Housewives	20	Saloon-keepers	21
Brewers	4	Housework	1	Seamstresses	1
Brick-makers	3	Insurance agents	3	Servants	27
Business men	3	Laborers	131	Ship-carpenters	1
Butchers	5	Lawyers	6	Shoe-makers	10
Cabinet-makers	3	Lumbermen	4	Soldiers	3
Carpenters	23	Machinists	5	Stavemakers	1
Cigar-makers	5	Masons	7	Students	5
Clerks	17	Mechanics	11	Tailors	6
Conductors	1	Merchants	16	Tanners	3
Contractors	1	Millers	3	Teachers	4
Coopers	3	Milliners	1	Teamsters	5
Cutters	1	Miners	3	Tinners	1
Dentists	1	Ministers	1	Unemployed	35
Domestics	3	Miscellaneous	9	Unknown	112
Draymen	5	Musicians	4	Upholsterers	1
Druggists	2	Painters	4	Waiters	1
Engineers	5	Peddlers	3	Weavers	3
Farmers	292				
Total					1,004

Nativity.	No.	Nativity.	No.	Nativity.	No.
Austria	1	Kentucky	1	Poland	3
Canada	57	Maine	3	Prussia	7
Colorado	1	Massachusetts	4	Rhode Island	1
Connecticut	6	Michigan	237	Scotland	13
Denmark	1	Minnesota	1	Sweden	5
England	48	Netherland	1	Switzerland	2
France	3	New Hampshire	3	Texas	1
Germany	187	New Jersey	6	United States	2
Holland	5	New York	176	Unknown	79
Illinois	2	Norway	1	Vermont	15
Indiana	8	Nova Scotia	1	Virginia	1
Ireland	32	Ohio	53	Wisconsin	8
Italy	1	Pennsylvania	28	Zealand	2
Total					1,004

TABLE 80.—CONTINUED.—*Suicidal Deaths.*

Means Used.	No.	Means Used.	No.	Means Used.	No.
Burning	1	Hanging	138	Shooting	99
Cutting throat	22	Poison	162	Starving	1
Drowning	55	Run over by cars	2	Strangulation	2
Dynamite	1	Severing artery	2	Unknown	519
Total					1,004

PRINCIPAL CAUSES OF DEATH.

In Table 81 is presented the fifteen most destructive diseases or causes of death in 1887. Consumption and diphtheria, as usual, held the first and second rank. Since the beginning of registration, consumption has held first place each year, except in 1881, when diphtheria stood first. The per cent of deaths from consumption to deaths from all causes was 10.92 in 1887, 11.28 in 1886, 11.80 in 1885, 12.17 in 1884, and 11.78 in 1883. Although the number of deaths from consumption was greater in 1887 than for any year since 1884, the per cent to all causes was less than for any year since 1881.

With the other more prominent causes of death, the order in regard to the largest number varies more or less from year to year. The most noteworthy changes from 1886 were in typhoid fever and diarrhea. Typhoid fever, occupying ninth place in 1886, rose to sixth in 1887, while diarrhea, which did not have a place in the table in 1886, ranks twelfth in 1887.

Cancer maintains nearly a uniform rank from year to year. Scarlet fever, which stood sixth in 1883, fell to fourteenth in 1884, since which time it has not appeared in the table.

The fifteen principal causes of death represent 55.91 per cent of the total mortality in 1887, as compared with 56.83 in 1886, 57.44 in 1885, 57.66 in 1884, and 56.92 in 1883.

MORTALITY FROM TEN PROMINENT CAUSES IN 1887.

The number and per cent of deaths in 1887, from ten prominent causes, may be seen in Table 82 and 83. As usual, diphtheria ranked the highest of the ten leading diseases included in the tables, although not the cause of the greatest mortality in the State. Whooping-cough occupied the lowest place, which was accorded to measles in 1886.

Some very interesting features characterize these tables. The two most striking differences in regard to mortality by sex, are that each year many more females than males die of cancer, and more males than females of croup. Cancer appears to be especially fatal at ages from forty-five to seventy-five and in the months of July, August and December. Cephalitis was most fatal in June, July and August, and in ages under five years. Croup and diphtheria were most fatal during the fall and early winter and least so in summer; a very large proportion of the deaths occurred at ages under 5 and from 5 to 10.

Diarrhea and dysentery prevailed as usual in hot weather, being of very little prominence until July, then falling off again in November. The greatest mortality from these two diseases was at the extremes of life, in infancy and old age. In 1887, measles occurred mostly in the months of April, May and June, and at ages under five. The mortality from typhoid fever increased rapidly in August, reached its highest point in

September and then declined again in December. The greatest number of deaths from typhoid fever was between the ages of fifteen and thirty, and the deaths among males exceeded those among females by 14 per cent.

Most of these diseases will be considered on subsequent pages in connection with meteorological conditions.

TABLE 81.—*Mortality in Michigan from Fifteen Principal Causes, as Returned for the Year 1887.*

Order.	Specified Causes and Conditions, 1887.	Number of Deaths.				Per Cent from Each Cause to Deaths from All Causes.		
		Totals.	Males.	Females.	Unk.	Totals.	Males.	Females.
1	Consumption	2,127	985	1,141	1	10.92	9.33	12.85
2	Diphtheria	935	474	461	.....	4.80	4.49	5.19
3	Old Age	917	468	449	.....	4.71	4.43	5.06
4	Still born	897	503	359	35	4 60	4.76	4.04
5	Pneumonia	884	522	362	.....	4.54	4.94	4.08
6	Fever, Typhoid	770	439	331	.....	3.95	4.16	3.73
7	Heart Disease	749	421	328	.....	3.84	3.99	3.70
8	Cholera Infantum	626	364	262	.....	3.21	3.45	2.95
9	Apoplexy and Paralysis	585	327	258	.....	3.00	3.10	2.91
10	Convulsions	474	267	207	.....	2,43	2.52	2.33
11	Cancer	453	185	268	.....	2.33	1.75	3.02
12	Diarrhea	414	216	198	.....	2.13	2.04	2.23
13	Casualty	385	331	54	.....	1.98	3.13	.61
14	Bowels, Inflammation of	339	188	151	.....	1.74	1.78	1.70
15	Dropsy	338	170	168	.....	1.73	1.61	1.89
	Totals	10,893	5,860	4,997	36	55.91	55.48	56.29
	All Causes	19,482	10,563	8,877	42	100.00	100.00	100.00

TABLE 82.—*Deaths from ten specified causes returned for the year 1887, exhibiting the number of each sex, total number in each month and at different periods of age.*

	Sex, Months and Ages.	Causes of Death, 1887.									
		Cancer.	Cephalitis.	Croup.a	Diarrhea.b	Diphtheria.	Dysentery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping-cough.
Sex.	Totals	453	319	399	414	935	183	285	318	770	110
	Males	185	156	227	216	474	98	163	152	439	51
	Females	268	163	172	198	461	85	122	166	331	59
	Unknown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Months.	January	22	19	44	2	91	2	20	40	30	3
	February	20	18	30	4	61	3	22	35	23	4
	March	39	19	35	5	60	1	19	21	17	8
	April	37	30	27	9	55	1	30	39	29	11
	May	37	25	21	11	47	3	47	27	24	8
	June	34	33	11	27	58	7	33	25	28	10
	July	51	37	25	132	60	18	20	20	41	23
	August	48	41	13	118	72	70	15	14	108	12
	September	39	27	37	65	105	44	12	20	167	8
	October	33	23	52	21	124	19	17	24	144	9
	November	38	24	41	12	97	7	23	24	92	5
	December	53	23	63	8	102	8	26	29	64	9
	Unknown	2	.....	.....	.....	3	.....	1	.....	3	.....
	Av. Month c.	38	27	33	35	78	15	24	27	64	9
Ages.	Under 5	11	208	325	361	450	109	215	217	81	106
	5 to 10	3	26	70	13	287	14	32	65	46	3
	10 to 15	1	9	4	3	119	6	11	12	67	.....
	15 to 20	3	8	.....	3	39	2	10	11	119	.....
	20 to 25	5	8	.....	2	12	1	4	5	125	.....
	25 to 30	7	9	.....	1	6	2	3	.....	78	.....
	30 to 35	10	7	.....	1	2	5	2	2	60	.....
	35 to 40	27	7	.....	1	3	2	1	2	38	.....
	40 to 45	22	5	.....	1	2	.....	1	.....	29	.....
	45 to 50	47	5	.....	1	1	2	2	.....	22	.....
	50 to 55	50	7	.....	2	.....	2	.....	.....	26	.....
	55 to 60	61	6	.....	5	.....	2	.....	.....	11	.....
	60 to 65	49	5	.....	6	2	2	.....	.....	20	.....
	65 to 70	45	1	.....	5	2	5	1	.....	15	.....
	70 to 75	50	3	.....	.....	1	9	1	.....	11	.....
	75 to 80	36	1	.....	4	.....	11	.....	.....	9	.....
	80 and over	17	3	.....	4	2	8	.....	1	3	.....
	Unknown	9	1	.....	1	7	1	2	3	10	1

a Includes 117 membranous croup.
b Includes 15 chronic.
c Excluding unknown month.

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	...	1	...	...	1	2	14	6	...	...	...	...	...	24	6	10	7	3	5	Sun-stroke	3	2	1	1	...	1	4	2	1	1	1	2	...	4	...	...	1
Males	...	1	...	...	1	1	13	3	...	...	...	...	...	19	5	9	6	3	5	"	1	1	...	1	...	1	3	2	1	1	1	2	...	4	...	...	1
Females	...	...	...	...	...	1	1	3	...	...	...	...	...	5	1	1	1	...	...	"	2	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	1	...	2	...	...	...	1	...	1	...	5	8	4	6	2	...	Surgical Operation	1	...	...	...	...	1	...	...	1	...	1	...	1	...	...	...	...
Males	...	...	...	1	...	1	...	...	...	1	...	...	...	3	4	2	4	...	...	" "	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...
Females	...	...	...	...	...	1	...	...	...	...	...	1	...	2	4	2	2	2	...	" "	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...
Males	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	Syncope	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Total	...	1	...	...	...	1	...	...	1	...	1	...	...	4	9	16	14	9	6	Syphilis	1	...	...	...	...	1	1	...	...	...	...	1	...	...	...	...	...
Males	...	...	...	...	...	1	...	...	...	...	...	...	...	1	6	8	7	2	4	"	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Females	...	1	...	...	...	...	...	...	1	...	1	...	...	3	3	8	7	7	2	"	1	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...
Total	...	...	...	...	...	...	1	...	1	...	...	...	...	2	...	...	...	1	3	Tape Worm	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Males	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1	2	" "	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Total	3	3	5	7	5	3	12	21	5	6	2	9	...	81	75	49	57	55	83	Teething	81	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	2	1	3	2	1	2	7	10	2	...	1	5	...	36	40	32	35	40	39	"	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	1	2	2	5	4	1	5	11	3	6	1	4	...	45	35	17	22	15	44	"	45	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	1	...	1	...	2	...	1	1	...	...	1	...	...	7	3	3	3	4	15	Tetanus (Locked Jaw)	4	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...
Males	1	...	1	...	2	...	1	...	...	...	...	...	...	5	2	3	2	4	12	" "	2	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	1	...	...	1	...	...	2	1	...	1	...	3	" "	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	2	...	1	1	2	1	6	3	3	2	4	...	25	22	18	19	26	20	Throat Disease	8	5	1	2	1	...	...	2	3	...	...	2	...	1	...	...	...
Males	...	1	...	1	1	1	1	4	1	...	2	4	...	16	10	11	9	10	11	" "	4	3	1	2	1	...	...	1	1	...	...	2	...	1	...	...	...

| | | |

TABLE 78.—CONTINUED.—*Specified Causes of Death.*

Sex.	Months, 1887.												Years.						Causes of Death.	Ages in Periods of Years,—1887.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1887.	1886.	1885.	1884.	1883.	1882.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over	Unknown.
Females															1				1	Tumor on Throat																	
Total	7	5	6	5	8	5	4	4	3	6	1	7	1	62	60	67	54	41	38	Tumor (unspecified)	5		1	1	4		5	8	3	2	5	11	5	4	6	1	1
Males	1	3	1	1	2	1				2	1	2		14	13	21	17	13	5	" "	3		1	1				2	1			1	1	3	1			
Females	6	2	5	4	6	4	4	4	3	4		5	1	48	47	46	37	28	33	" "	2				4		5	6	2	2	5	10	4	1	5	1	1
Females	1			1	1	1	2			1		1		8	10	5	6	5	6	Turn of Life								1	3	1		3					
Females																			1	Ulcer on Back																	
Females																			1	Ulcer on Leg																	
Males										1				1					1	Ulcer on Neck								1									
Total			4		1		3	1		2	2			13	10	7	7	6	5	Ulcers (unspecified)	1				1			1		2	1	1	1	2	1	1		1
Males			3		1		1			1	1			7	5	6	4	1	3	" "					1					1	1	1	1	1				1
Females			1				2	1		1	1			6	5	1	3	5	2	" "	1							1		1			1	1	1		
Total	92	81	107	100	85	96	119	138	124	102	84	102	19	1249	1040	949	1066	1385	1455	Unknown	634	41	35	31	33	37	23	29	27	25	36	27	35	53	40	31	29	83
Males	52	40	60	44	35	44	62	74	60	57	50	41	9	628	572	495	524	756	779	"	338	20	15	7	10	13	9	10	10	6	18	15	21	35	20	20	18	43
Females	40	41	47	56	49	52	54	64	64	45	34	60	10	616	461	452	537	623	671	"	294	21	20	24	23	24	14	19	17	19	18	12	14	18	20	11	11	37
Unknown					1		3					1		5	7	2	5	6	5	"	2																	3
Total					1			1			1			3	1	6		2		Uræmia													1		1	1		
Males					1			1						2		4		2		"															1	1		
Females											1			1	1	2				"													1					
Males						1								1	1	1	2	2	1	Urinary Organs, Dis. of															1			
Females																1		1		" "																	
Females	1													1	9	3	2	2	1	Uterine Tumor													1				

| | | |

TABLE 87.—*Deaths returned from Croup in Michigan, by Months, during the Year 1887, and Certain Meteorological Conditions.*

Months in Order by Number of Deaths from Croup, greatest first.	Deaths from Croup, 1887.		Teperature, Degrees Fahr.		Humidity of Atmosphere, etc., Monthly Averages.				Ozone,—Relative Maximum =10.		Average velocity of wind,—miles per hour,—by registering anemometer.	Average pressure of atmosphere. (Barometer reduced to 32° Fahr.)
	Number.	Per cent of total.	Average daily range of registering thermometer.	Average of three daily observations.	Relative per cent of saturation.	Absolute grains of vapor in a cubic foot of air. a	Weight in Troy ounces of vapor inhaled by one person in 24 hours. b	Weight in Troy ounces of vapor exhaled from air passages in 24 hours in excess of vapor inhaled. c	Day—7 A. M. to 2 P. M.	Night—9 P. M. to 7 A. M.		
Year, 1887	d 399	100.00	18.46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
More than the Average No. of Deaths. December	63	15.79	11.88	27.57	86	1.77	1.11	10.57	3.39	3.62	11.0	29.206
October	52	13.03	16.50	44.46	76	2.98	1.86	9.82	3.29	3.39	11.5	29.175
January	44	11.03	17.96	16.58	77	1.25	.78	10.90	3.19	3.81	11.6	29.105
November	41	10.28	14.80	35.18	78	2.16	1.35	10.33	3.15	3.31	11.6	29.200
September	37	9.27	19.79	e57.95	75	4.37	f 2.73	8.95	3.13	3.16	8.4	29.292
March	35	8.77	18.02	25.55	79	1.49	.93	10.75	3.54	3.53	9.9	29.238
Average	33	8.33	18.46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
Less than the Average No. of Deaths. February	30	7.52	17.06	e 21.57	85	1.45	f .91	10.77	3.29	4.21	11.1	29.279
April	27	6.78	19.52	e 42.09	74	2.63	f 1.64	10.04	3.34	3.55	10.7	29.140
July	25	6.26	29.91	73.22	70	6.29	3.93	7.75	2.85	2.92	7.8	29.176
May	21	5.26	22.52	60.68	70	4.43	2.77	8.91	3.20	3.34	7.4	29.191
August	13	3.26	20.81	66.41	71	5.22	3.26	8.42	3.04	3.02	7.0	29.220
June	11	2.75	20.68	66.53	75	5.50	2.44	8.24	3.01	3.22	6.9	29.190

a Calculated from readings of Dry Bulb and Wet Bulb thermometers.
b Calculated for 18 respirations per minute of 20 cubic inches of air each.
c Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.
d Including 117 deaths from Membranous Croup.
e Exceptions to the proposition that *more* than an average number of deaths from croup occurred in months when the Average Daily Temperature was *less* than the average, and *vice versa*.
f Exceptions to the proposition that *more* than an average number of deaths from croup occurred in months when there was *less* than the average quantity of vapor inhaled, and *vice versa*.

Diphtheria.—The number of deaths from this disease in 1887 was 935, a decrease since last year of 182, and it is the smallest number reported since 1878. The average annual number returned for the twelve years 1876-1887 was 1,122, and the number for each of these years is as follows:

1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.
811	593	887	1,473	1,542	2,063	1,416	1,007	1,065	1,054	1,117	935

The steady increase in the number of deaths from diphtheria from 1876 to 1881 may here be observed, as well as the gradual decline in the years since 1881.

There are usually more deaths among females than among males from diphtheria, but this year the order is reversed, there being 474 deaths of males and 461 deaths of females

By reference to Table 83, page 220, it may be seen that over 78 per cent of the deaths from diphtheria in 1887 were those of children under ten years of age. According to the census of 1884, there were 225,973 children in Michigan under five years of age, and there were 450 deaths from diphtheria under that age. This gives a death-rate for the State of 1.99 per thousand. For ages under ten, the mortality-rate was 1.66 per thousand.

The months of September, October, November, and December contributed 45.94 per cent of the deaths, the month of October having 124 deaths, or 13.30 per cent.

The prevalence of diphtheria in each of the eleven geographical divisions of the State may be seen in the following tabulated exhibit :

State and Geographical Divisions.	Total mortality from all causes.	Deaths from Diphtheria.	Per cent of deaths from Diphtheria to deaths from all causes.
State	19,482	935	4.80
Upper Peninsular	1,578	68	4.31
Northwestern	629	34	5.41
Northern	413	20	4.84
Northeastern	335	12	3.58
Western	2,030	101	4.98
Northern Central	618	40	6.47
Eastern	2,928	139	4.75
Central	2,410	58	2.41
Southwestern	1,172	26	2.22
Southern Central	2,783	122	4.38
Southeastern	4,586	315	6.87

From Table 88 it will be seen that the proposition that the air was *colder* than the average in months in which *more* than the average number of deaths occurred, and *warmer* than the average in months in which *less* than the average number of deaths occurred, holds true in eight out of the twelve months.

TABLE 88.—*Deaths returned from Diphtheria in Michigan, by Months, during the Year 1887, and some coincident Meteorological Conditions.*

Months in Order by Number of Deaths from Diphtheria, greatest first.	Deaths from Diphtheria, 1887.		Temperature, Degrees Fahr.		Humidity of Atmosphere, etc., Monthly Averages.				Ozone.—Relative Maximum = 10.			Average pressure of atmosphere, (Barometer reduced to 32° Fahr.)
	Number.	Per Cent of Total.	Average daily range by registering thermometer.	Average of three daily observations.	Relative per cent of saturation.	Absolute grains of vapor in a cubic foot of air. [a]	Weight in Troy ounces of vapor inhaled by one person in 24 hours. [a]	Weight in Troy ounces of vapor exhaled from air passages in 24 hours in excess of vapor inhaled. [a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average velocity of wind,—miles per hour,—by registering Anemometer.	
Year, 1887	*932	100.00	18 46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
More than the Av. No. of Deaths. October	124	13.30	16.50	44.46	76	2.98	1.86	9.82	3.29	3.39	11.5	29.175
More than the Av. No. of Deaths. September	105	11.27	19.79	b57.95	75	4.37	c 2.73	8.95	3.13	3.16	8.4	29.292
More than the Av. No. of Deaths. December	102	10.94	11.88	27.57	86	1.77	1.11	10.57	3.39	3.62	11.0	29.206
More than the Av. No. of Deaths. November	97	10.43	14.80	35.18	78	2.16	1.35	10.33	3.15	3.31	11.6	29.200
More than the Av. No. of Deaths. January	91	9.76	17 96	16.58	77	1.25	.78	10.90	3.19	3.81	11.6	29.105
Average	78	8.33	18.46	44.92	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
Less than the average No. of Deaths. August	72	7.72	20.81	66.41	71	5.22	3 26	8.42	3.04	3.02	7.0	29.220
Less than the average No. of Deaths. February	61	6.54	17.06	b21.55	85	1.45	c .91	10.77	3.29	4.21	11.1	29.279
Less than the average No. of Deaths. March	60	6.44	18 02	b25.50	79	1.49	c .93	10.75	3.54	3.53	9.9	29.238
Less than the average No. of Deaths. July	60	6.44	29.91	73.22	70	6.29	3.93	7.75	2.85	2.92	7.8	29.176
Less than the average No. of Deaths. June	58	6.22	20.68	66.53	75	5.50	2.44	8.24	3.01	3.22	6.9	29.190
Less than the average No. of Deaths. April	55	5.90	19.52	b42.09	74	2.63	c 1.64	10.04	3.34	3.55	10.7	29.140
Less than the average No. of Deaths. May	47	5.04	22.52	60.68	70	4 43	2.77	8.91	3.20	3.34	7.4	29.191

a See foot-notes to Table 87, page 224.
b Exceptions to the proposition that *more* than an average number of deaths from Diphtheria occurred in months when the Average Daily Temperature was *less* than the average, and *vice versa*.
c Exceptions to the proposition that *more* than an average number of deaths from Diphtheria occurred in months when *less* than the average quantity of vapor was inhaled, and *vice versa*.
* Excluding three deaths in unknown months.

Typhoid Fever.—Four hundred and thirty-nine males and 331 females died from this disease in 1887, the whole number being 272 more than was reported in 1886, 383 more than in 1885, and with the exception of the year 1881, when 884 deaths were reported, was the largest number returned in the State. The average annual number of deaths for the ten years, 1878-1887, was 519, which was 251 less than was returned in 1887. The per cent of mortality from typhoid fever to deaths from all causes in 1887 was 3 95, which was 1.21 per cent more than in 1886.

There were 439, or 57 per cent of deaths among males, and 331, or 43 per cent among females, and each year, except 1879, the mortality among the males exceeds that among females, the average per cent of difference being about eight.

As usual, the greatest monthly mortality occurred in September, which had 167, or

21.77 per cent of the deaths, and 575, or 74.96 per cent of the total morality, occurred in the last five months of the year. Nearly 42 per cent of deaths were of persons between fifteen and thirty years of age, and 32 per cent of the deaths were of persons between the ages of fifteen and twenty-five.

Table 89 shows the relation of deaths from typhoid fever to certain atmospheric conditions.

TABLE 89.—*Deaths returned in Michigan from Typhoid Fever, by Months, during the Year 1887, and some Coincident Meteorological Conditions.*

	Months in Order by Number of Deaths from Typhoid Fever, greatest first.	Deaths from Typhoid Fever, 1887.		Temperature, Degrees Fahr.		Humidity of Atmosphere, etc., Monthly Averages.				Ozone,—Relative Maximum =10.		Average velocity of wind,—miles per hour,—by registering anemometer.	Average pressure of atmosphere. (Barometer reduced to 32° Fahr.)
		Number.	Per cent of total.	Average daily range by registering thermometer.	Average of three daily observations.	Relative per cent of saturation.	Absolute grains of vapor in a cubic foot of air. a	Weight in Troy ounces, of vapor inhaled by one person in 24 hours. a	Weight in Troy ounces of vapor exhaled from air passages in 24 hours in excess of vapor inhaled. a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1887		*767	100.00	18.46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
More than the Av. No. of Deaths.	September	167	21.77	19.79	57.95	75	4.37	2.73	8.95	3.13	3.16	8.4	29.292
	October	144	18.77	b 16.50	c 44.46	76	d 2.98	1.86	9.82	e 3.29	3.39	11.5	f 29.175
	August	108	14.08	20.81	66.41	71	5.22	3.26	8.42	3.04	3.02	7.0	29.220
	November	92	12.00	b 14.80	c 35.18	78	d 2.16	1.35	10.33	3.15	3.31	11.6	f 29.200
	December	64	8.34	b 11.68	c 27.57	86	d 1.77	1.11	10.57	e 3.39	e 3.62	11.0	29.206
Average		64	8.33	18.46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
Less than the Av. No. of Deaths.	July	41	5.35	b 29.91	c 73 22	70	d 6.29	3.93	7.75	e 2.85	e 2.92	7.8	29.176
	January	30	3.91	17.96	16.58	77	1.25	.78	10.90	e 3.19	3.81	11.6	29.105
	April	29	3.78	b 19.52	42 09	74	2.63	1.64	10.04	3.34	3.55	10.7	29.140
	June	28	3.65	b 20.68	c 66.53	75	d 5.50	2.44	8.24	e 3.01	e 3.22	6.9	29.190
	May	24	3.13	b 22.52	c 60.68	70	d 4.43	2.77	8.91	3.20	e 3.34	7.4	29.191
	February	23	3.00	17.06	21.57	85	1.45	.91	10.77	3.29	4.21	11 1	f 29.279
	March	17	2.22	18.02	25.55	79	1.49	.93	10.75	3.54	3.53	9.9	f 29.238

a See foot-notes to Table 87, page 224.
b Exceptions to the proposition that the Average Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
c Exceptions to the proposition that the Average Daily Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
d Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
e Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
f Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
* Excluding 3 deaths in unknown months.

The total mortality returned from diarrheal diseases in Michigan may be seen in Table 90. In 1887 there were 46 more deaths than in 1886, and 296 more than the average of the ten years, 1876–1887. The increase over that for 1886 is mainly in diarrhea and dysentery, the former showing an increase of 26 and the latter 25. Cholera infantum shows a decrease of 27 from the number reported in 1886. The sum of this group of diseases, 1,562, was 8 per cent of the total mortality from all causes.

TABLE 90.—*Deaths returned from Diarrheal Diseases in Michigan during the years 1876-1887, and the average.*

Years.	Diarrhea.	Dysentery.	Cholera Infantum.	Cholera.	Enteritis.	Diarrheal Diseases.
1876	304	195	331	12	239	1,081
1877	290	218	370	15	226	1,119
1878	173	158	243	4	214	792
1879	226	135	300	6	237	904
1880	310	160	499	26	267	1,262
1881	501	270	857	17	342	1,987
1882	259	96	428	13	276	1,072
1883	267	114	465	3	294	1,143
1884	409	160	781	.....	350	1,700
1885	261	105	360	.....	324	1,050
1886	378	158	653	.....	327	1,516
1887	414	183	626	.....	339	1,562
Average	316	163	493	8	286	1,266

Diarrhea.—The deaths from this disease exceed those returned in 1886 by 26, and are 98 more than the twelve year average, being exceeded by the year 1881 only. The per cent to deaths from all causes is 2.13, while it was 2.08 in 1886, 1.57 in 1885, and 2.27 in 1884.

There were 216, or 52.17 per cent of deaths among males and 198, or 47.83 per cent of deaths among females. Of the total number of deaths from diarrhea 315, or 76.09 per cent, occurred in the three months of July, August and September, the month of July alone having 133, or 31.89 per cent of the deaths.

In regard to age it will be seen from Table 83 that 87.20 per cent of the mortality occurred under five years of age. As compared with population living under five years of age, according to the census of 1884, the ratio of mortality from diarrhea in 1887 was 16 per 10,000.

Table 91 shows the relation which the deaths from diarrhea sustained to certain meteorological conditions. The general truth of the propositions are here made apparent.

TABLE 91.—*Deaths returned in Michigan from Diarrhea, by months, during the year 1887, and some coincident Meteorological Conditions.*

Months in order by Number of Deaths from Diarrhea, greatest first.	Deaths from Diarrhea, 1887.		Temperature, Degrees Fahr.		Humidity of Atmosphere, etc., Monthly Averages.				Ozone,—Relative Maximum =10.			
	Number.	Per cent of total.	Average daily range by registering thermometers.	Average of three daily observations.	Relative per cent of saturation.	Absolute grains of vapor in a cubic foot of air.a	Weight, in Troy ounces, of vapor inhaled by one person in 24 hours.a	Weight, in Troy ounces, of vapor exhaled from air passages in 24 hours in excess of vapor inhaled.a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average velocity of wind,—miles per hour,—by registering anemometer.	Average pressure of atmosphere. (Barometer reduced to 32° Fahr.)
Year, 1887	414	100.00	18.46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
More than the Av. No. of Deaths. July	132	31.89	29.91	73.22	70	6.29	3.93	7.75	2.85	2.92	7.8	g 29.176
More than the Av. No. of Deaths. August	118	28.50	20.81	66.41	71	5.22	3.26	8.42	3.04	3.02	7.0	29.220
More than the Av. No. of Deaths. September	65	15.70	19.79	57.95	75	4.37	2.73	8.95	3.13	3.16	8.4	29.292
Average	35	8.33	18.46	44.82	77	3.29	2.06	9 62	3.20	3.42	9.6	29.203
Less than the Average Number of Deaths. June	27	6 52	b 20.65	c 66.53	d 75	e 5.50	2.44	8.24	f 3.01	f 3 22	6.9	29.190
Less than the Average Number of Deaths. October	21	5.07	16.50	44.46	d 76	2.98	1.86	9.82	3.29	f 3.39	11.5	29.175
Less than the Average Number of Deaths. November	12	2.90	14 80	35.18	78	2.16	1.35	10.33	f 3.15	f 3.31	11.6	29.200
Less than the Average Number of Deaths. May	11	2.66	b 22.52	c 60.68	d 70	e 4.43	2.77	8.91	3.20	f 3.34	7.4	29.191
Less than the Average Number of Deaths. April	9	2.17	b 19.52	42.09	d 74	2.63	1.64	10.04	3.34	3.55	10.7	29.140
Less than the Average Number of Deaths. December	8	1.93	11.88	27.57	86	1.77	1.11	10.57	3.39	3 62	11.0	g 29.206
Less than the Average Number of Deaths. March	5	1.21	18.02	25 55	79	1.49	.93	10.75	3.54	3.53	9.9	g 29.238
Less than the Average Number of Deaths. February	4	.97	17.06	21.57	85	1.45	.91	10.77	3.29	4.21	11.1	g 29.279
Less than the Average Number of Deaths. January	2	.48	17.96	16.58	77	1.25	.78	10.90	f 3.19	3.81	11.6	29.105

a See foot-notes to Table 87, page 224.

b Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was *greater* than the average, and *vice versa*.

c Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was *higher* than the average, and *vice versa*.

d Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was *less* than the average, and *vice versa*.

e Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity of the Atmosphere was *greater* than the average, and *vice versa*.

f Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in the months when the amount of Ozone in the Atmosphere was *less* than the average, and *vice versa*.

g Exceptions to the proposition that *more* than the average number of Deaths from Diarrhea occurred in months when the Average Daily pressure of the Atmosphere was *greater* than the average, and *vice versa*.

Scarlet Fever.—The total number of deaths returned as having occurred from scarlet fever in 1887 was 318, a decrease of one from the previous year. The largest number of deaths ever returned in this State from this disease was in 1870, when the number was 852; and the annual average number for the 18 years, 1870–1887, was 468.

The largest proportion of the mortality from this disease occurred among children,

as may be seen by reference to Table 83. Of the 318 decedents 217, or 68.24 per cent, were under 5 years of age ; and 282, or 88.68 per cent, were under 10 years of age.

According to the returns, the greatest mortality from this cause was in the month of January, and the least was in the month of August. The difference between the highest per cent in January and the lowest in August being 8.18.

The ratio of mortality from this disease to the total mortality was 1.63 per cent., which was less than that of 1886, but greater than that of 1885, being 1.75 in the former year and 1.47 in the latter.

In 1887 there were four exceptions to the proposition that the average daily temperature was *lower* than the average in months when *more* than the average number of deaths from scarlet fever occurred, and *vice versa.*

TABLE 92.—*Deaths returned in Michigan from Scarlet Fever, by Months, during the Year 1887, and some Coincident Meteorological Conditions.*

	Months in Order by Number of Deaths from Scarlet Fever, greatest first.	Deaths from Scarlet Fever, 1887.		Temperature, Degrees Fahr.		Humidity of Atmosphere, etc., Monthly Averages.				Ozone,—Relative Maximum =10.			
		Number.	Per cent of total.	Average daily range of registering thermometers.	Average of three daily observations.	Relative per cent of saturation.	Absolute grains of vapor in a cubic foot of air. a	Weight in Troy ounces of vapor inhaled by one person in 24 hours. a	Weight in Troy ounces of vapor exhaled from air passages in 24 hours in excess of vapor inhaled. a	Day,—7 A. M. to 9 P. M.	Night,—9 P. M. to 7 A. M.	Average velocity of wind,—miles per hour,—by registering anemometer.	Average pressure of atmosphere (Barometer reduced to 32° Fahr.)
	Year, 1887	318	100.00	18.46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
More than the Av. No. of Deaths.	January	40	12.58	17.96	16.58	77	1.25	.78	10.9	3.19	3.81	11.6	29.105
	April	39	12.26	19.52	42.09	74	2.63	1.64	10.04	3.34	3.55	10.7	29.140
	February	35	11.01	17.06	21.57	85	1.45	.91	10.77	3.29	4.21	11.1	29.279
	December	29	9.12	11.88	27.57	86	1.77	1.11	10.57	3.39	3.62	11.0	29.206
	May	27	8.49	22.52	b60.68	70	c 4.43	2.77	8.91	3.20	3.34	7.4	29.191
Average		26	8.33	18.4	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
Less than the Av. No. of Deaths.	June	25	7.86	20.68	66.53	75	5.50	2.44	8.24	3.01	3.22	6.9	29.190
	October	24	7.55	16.50	b44.46	76	c 2.98	1.86	9.82	3.29	3 39	11.5	29.175
	November	24	7.55	14.80	b35.18	78	c 2.16	1.35	10.33	3.15	3.31	11.6	29.200
	March	21	6.60	18.02	b25.55	79	c 1.49	.93	10.75	3.54	3.53	9.9	29.238
	July	20	6.29	29.91	73.22	70	6.29	3.93	7.75	2.85	2.92	7.8	29.176
	September	20	6.29	19.79	57.95	75	4.37	2.73	8.95	3.13	3.16	8.4	29.292
	August	14	4.40	20.81	66.41	71	5.22	3.26	8.42	3.04	3.02	7.0	29.220

a See foot-notes to Table 87, page 224.

b Exceptions to the proposition that the Average Daily Temperature was *lower* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa.*

c Exceptions to the proposition that the Absolute Humidity of the atmosphere was *less* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa.*

Consumption.—The number of deaths reported in 1887 from consumption was 2,127. This disease is by far the most destructive of all the causes of death in Michigan, affecting as it does the periods of childhood, maturity and old age. The average annual mortality from this disease for the 19 years, 1869-1887, was 1,698. This average is 24 higher than was given for the 18 years in the report for 1886.

Of the 2,127 deaths from consumption in 1887, 986 were males and 1,141 were females, or there were 86 male decedents to 100 female decedents. For the 19 years from 1869 to 1887, inclusive, the number of deaths returned from consumption in Michigan was 32,264, of which 14,964 were males and 17,300 were females. There were 86 male decedents to each 100 female decedents for the aggregate of these years, or 46 males and 54 females in each 100 decedents.

The influence which the months and sesons have upon the mortality from consumption may be seen in the following exhibits. In 1887 the largest monthly record of deaths was in March, and the largest quarterly record was the second, closely followed by the third. The smallest number of deaths occurred in January, and the first quarter. For the nineteen years the highest monthly mortality appears for December and April, and the lowest for January and February. The highest quarterly mortality was in the second corresponding to the record for a single year.

In regard to age, it will be noticed that the greatest proportion of mortality occurred at ages between 20 and 30, not only for the year 1887, but also for the nineteen years, the proportion being nearly 3 per cent greater for the single year. There appears, however, but little difference in the relative proportion of the various periods of life between the aggregate record and that for a single year. As compared with the living population the death-rate from consumption is seen to be highest at ages between 60 to 80.

Table 93 shows the relation of deaths from consumption in 1887 to certain atmospheric conditions.

Mortality from Consumption by Months and Quarters, 1887.

Months.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	136	152	206	198	183	177	192	184	179	152	177	185	6
Quarters	494			558			555			514			6
Per Cent	23.23			26.23			26.09			24.17			.28

Total Mortality from Consumption by Sex, Months, and Age, 1869-1887.

	Sex.		Totals.	Months.												
	Males.	Females.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Males	14,964	.....	.....	899	1,007	1,357	1,428	1,400	1,184	1,180	1,264	1,317	1,224	1,233	1,421	50
Females	.....	17,300	.....	999	1,204	1,484	1,574	1,564	1,411	1,437	1,465	1,592	1,469	1,411	1,622	68
Totals	.....	.....	32,264	1,898	2,211	2,841	3,002	2,964	2,595	2,617	2,729	2,909	2,693	2,644	3,043	118
Quarters	.....	.....	.....	6,950			8,561			8,255			8,380			118
Per cent	.....	.....	.....	21.54			26.53			25.59			25.97			.37

	Ages.												
	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Unknown.
Males	1,083	185	222	885	3,430	2,485	1,936	1,730	1,645	953	169	241
Females	1,016	210	508	2,012	5,080	3,030	1,871	1,364	1,113	701	135	260
Totals	2,099	395	730	2,897	8,510	5,515	3,807	3,094	2,758	1,654	304	501
Per cent	6.51	1.22	2.26	8 98	26.38	17.09	11.80	9.59	8.55	5.13	.94	1.55

Mortality from Consumption, by Sex, and Ages, 1887.

Ages.	Total Deaths.	Deaths from Consumption.	Per Cent at Several Ages.	Males.	Females.	Per Cent of Deaths to Population.
Under 10	8,325	144	6.77	80	63	.032
10 to 20	1,317	235	11.05	83	152	.062
20 to 30	1,723	621	29.20	257	364	.176
30 to 40	1,345	371	17.44	167	204	.145
40 to 50	1,115	253	11.89	127	126	.138
50 to 60	1,257	194	9.12	104	90	.156
60 to 70	1,578	169	7.94	99	70	.229
70 to 80	1,580	101	4.75	48	53	.329
80 and over	951	15	.71	9	6	.195
Age not stated	291	24	1.13	11	13	1.449
Totals	19,482	2,127	100.00	985	1,141	.115

TABLE 93.—CONSUMPTION.—*Deaths from Consumption returned in Michigan, by Months, during the Year 1887, and some coincident Meteorological Conditions.*

Months in Order by Number of Deaths from Consumption, greatest first.	Deaths from Consumption 1887.		Temperature, Degrees Fahr.		Humidity of Atmosphere, etc., Monthly Averages.				Ozone—Relative Maximum =10.		Average Velocity of Wind,—Miles per Hour,—by Registering Anemometer.	Average pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Daily Range by Registering Thermometer.	Average of Three Daily Observations.	Relative Per Cent. of Saturation.	Absolute Grains of Vapor in a Cubic Foot of Air. a	Weight in Troy Ounces of Vapor inhaled by one person in 24 hours. a	Weight in Troy Ounces of Vapor exhaled from Air Passages in 24 hours in excess of vapor inhaled. a	Day,—7. A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1887	b2,121	100.00	18.46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
More than the Average No. of Deaths. March	206	9.71	18.02	c25.55	79	1.49	d .93	10.75	3.54	3.53	9.9	29.238
April	198	9.34	19.52	c42.09	74	2.63	d 1.64	10.04	3.34	3.55	10.7	29.140
July	192	9.05	29.91	73.22	70	6.29	3.93	7.75	2.85	2.92	7.8	29.176
December	185	8.72	11.88	c27.57	86	1.77	d1.11	10.57	3 39	3 62	11.0	29.206
August	184	8.67	20.81	66.41	71	5.22	3.26	8.42	3.04	3.02	7.0	29.220
May	183	8.63	22,52	60.68	70	4.43	2.77	8.91	3.20	3.34	7.4	29.191
September	179	8.44	19.73	57.95	75	4.37	2.73	8.95	3.13	3.16	8.4	29.292
Average	177	8.33	18 46	44.82	77	3.29	2.06	9.63	3.20	3.42	9.6	29.203
Less than the Av. No. of Deaths. June	175	8 34	20.68	c66.53	75	5.50	d2.44	8.24	3.01	3.22	6.9	29.190
November	177	8.35	14.80	35.18	78	2.16	1.35	10.33	3.15	3.31	11.6	29.200
February	152	7.17	17.06	21.57	85	1.45	.91	10.77	3.29	4.21	11.1	29.279
October	152	7.17	16.50	44.46	76	2.98	1.86	9.82	3.29	3.39	11.5	29.175
January	136	6.41	17.96	16.58	77	1.25	.78	10.90	3.19	3.81	11.6	29.105

a See foot-notes to Table 87, page 224.
b Excluding 6 deaths in unknown months.
c Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths from Consumption occurred, and *vice versa*.
d Exceptions to the proposition that *more* than the average amount of vapor was inhaled in months in which there was *more* than the average number of deaths from Consumption, and *vice versa*.

Pneumonia.—The number of deaths returned from pneumonia in 1887 was 884, which was 101 more than were recorded in 1886, and is the largest number ever reported in the State. The average annual number of deaths from this cause for the nineteen years 1869–1887 was 666, while the average for ten years, 1878–1887, was 742. The percentage of deaths from pneumonia to deaths from all causes, in 1887, was 4.54, while the average percentage for nineteen years, 1869-1887, was 4.61.

Unlike consumption, this disease shows more deaths among males than among females, the figures this year being 522 males and 362 females, or an excess of 160 male decedents, being a proportion of 144 males to 100 females.

March and April are the two most fatal months, not only for the year 1887, but also for the average of 10 years 1878-1887. The largest number, 122, was in March, and the smallest, 28, in July, corresponding to the average for ten years.

As regards age, 348 of the whole number, or 39.25 per cent, occurred in 1887 under the age of five years, as compared with 326, or 41.63 per cent, in 1886. This is about the usual average for that period. Two hundred and fifty-two, or 28.51 per cent of the entire mortality from this cause, were of persons over 50 years of age. This leaves about 30 per cent between the ages of 5 and 50, and shows how much more fatal the disease is at the extremes of life. The ratio of deaths from pneumonia in 1887 to population of the same age was as follows: Under 5 years of age, 1.54 to every thousand, for those aged 5 to 50 the rate was 1.9 to every 10,000, while for those aged 50 and over it was 1.06 to every thousand.

Table 95 shows the relation of deaths from pneumonia to certain atmospheric conditions.

TABLE 94.—*By Months, the number of deaths returned from Pneumonia in Michigan during each of the years 1878-1887, and the average for ten years ending with 1887.*

Years.	Totals	Deaths from Pneumonia, 1878-1887.												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
1878	462	36	37	59	54	37	30	15	19	22	35	53	65	...
1879	701	44	92	114	102	59	36	30	31	42	25	45	80	1
1880	812	56	82	111	113	79	37	29	36	51	44	68	105	1
1881	805	77	88	126	100	70	37	39	29	47	55	43	91	3
1882	735	59	65	84	82	94	58	29	29	36	43	57	97	2
1883	737	76	61	97	104	89	40	30	42	27	41	53	76	1
1884	767	68	101	106	83	67	39	34	42	34	30	70	90	3
1885	733	65	100	122	86	66	34	26	26	41	45	43	78	1
1886	783	57	62	113	100	63	48	32	28	36	46	76	121	1
1887	884	87	112	122	113	75	44	28	36	52	64	66	84	1
Average for 10 years	742	63	80	105	94	70	40	29	32	39	43	57	89	1

TABLE 95.—*Deaths Returned from Pneumonia in Michigan during the year 1887, and some Coincident Meteorological Conditions.*

Months in Order by Number of Deaths from Pneumonia, greatest first.	Deaths from Pneumonia, 1887.		Temperature, Degrees Fahr.		Humidity of Atmosphere, etc., Monthly Averages.				Ozone—Relative Maximum =10.		Average Velocity of Wind,—Miles per hour,—by Registering Anemometer.	Average Pressure of Atmosphere, (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent of Total.	Average Daily Range by Registering Thermometers.	Average of Three Daily Observations.	Relative Per Cent of Saturation.	Absolute Grains of Vapor in a Cubic Foot of Air.a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of Vapor Inhaled.a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year 1887	*883	100.00	18.46	44.82	77	3.29	2.06	9.62	3.2	3.42	9.6	29.203
More than the Av. No. of Deaths. March	122	13.82	18.02	25.55	79	1.49	.93	10.75	3 54	3.53	9.9	29.238
April	113	12.80	19.52	42.09	74	2.63	1.64	10.04	3.34	3.55	10.7	29.140
February	112	12.68	17.06	21.57	85	1.45	.91	10.77	3.29	4.21	11.1	29.279
January	87	9.85	17.96	16.58	77	1.25	.78	10.90	3.19	3.81	11.6	29.105
December	84	9.51	11.88	27.57	86	1.77	1.11	10.57	3.39	3.62	11.0	29.206
May	75	8.5	22.52	b60.68	70	4.43	c 2.77	8.91	3.20	3.34	7.4	29.191
Average	74	8.33	18.46	44.82	77	3.29	2.06	9.62	3.20	3.42	9.6	29.203
Less than the Av. No. of Deaths. November	66	7.47	14.80	b35.18	78	2.16	c 1.35	10.33	3.15	3.31	11.6	29.200
October	64	7.25	16.50	b44.46	76	2.98	c 1.86	9.82	3.29	3.39	11.5	29.175
September	52	5.89	19.79	57.95	75	4.37	2.73	8.95	3.13	3.16	8.4	29.292
June	44	4.98	20.68	66.53	75	5.50	2.44	8.24	3.01	3.22	6.9	29.190
August	36	4.08	20.81	66.41	71	5.22	3.26	8.42	3.04	3.02	7.0	29.220
July	28	3.17	29.91	73.22	70	6.29	3.93	7.75	2.85	2.92	7.8	29.176

a See foot-notes to Table 87, page 224.
b Exceptions to the proposition that the Average Daily Temperature was *lower* than the average in months when *more* than an average number of deaths from Pneumonia occurred, and *vice versa*.
c Exceptions to the proposition that *less* than the average amount of vapor was inhaled in months when *more* than an average number of deaths from Pneumonia occurred, and *vice versa*.
* Excluding 1 death in unknown month.

Table 96 affords an opportunity of comparing the relative prevalence of consumption, pneumonia, typhoid fever, scarlet fever and diarrhea in each of the eleven geographical divisions of the State. In the per cent to deaths from all causes consumption shows the highest ratio in the Northern Central and the lowest in the Upper Peninsular division. Pneumonia shows the highest ratio in the Eastern and the lowest in the Northern Central division. The counties included in each division may be seen in Table 75.

TABLE 96.—*Exhibiting for the State and Eleven Geographical Divisions, in 1887, the Number and per cent of Deaths returned from all causes, from Consumption, Pneumonia, Typhoid Fever, Scarlet Fever and Diarrhea.*

State and Geographical Divisions.	Deaths from all causes, 1887.	Consumption.		Pneumonia.		Typhoid Fever.		Scarlet Fever.		Diarrhea.	
		Number of deaths.	Per cent to deaths from all causes.	Number of deaths.	Per cent to deaths from all causes.	Number of deaths.	Per cent to deaths from all causes.	Number of deaths.	Per cent to deaths from all causes.	Number of deaths.	Per cent to deaths from all causes.
State	19,482	2,127	10.92	884	4.54	770	3.95	318	1.63	414	2.13
Upper Peninsular	1,578	111	7.03	67	4.25	136	8.62	31	1.96	74	4.69
Northwestern	629	59	9.38	23	3.66	42	6.68	22	3.50	6	.95
Northern	413	43	10.41	22	5.33	9	2.18	1	.24	10	2.42
Northeastern	335	24	7.16	13	3.88	4	1.19	1	.30	9	2.69
Western	2,030	232	11.43	100	4 93	93	4.58	15	.74	49	2.41
Northern Central	618	83	13.43	22	3.56	36	5.83	3	.48	7	1.13
Eastern	2,928	313	10.69	171	5.84	80	2.73	33	1.13	53	1.81
Central	2,410	283	11.74	94	3.90	126	5.23	11	.46	18	.75
Southwestern	1,172	151	12.88	64	5.46	52	4.44	4	.34	12	1.02
Southern Central	2,783	337	12.11	134	4.81	49	1.76	18	.65	31	1.11
Southeastern	4,586	491	10.71	174	3.79	143	3.12	179	3.90	145	3.16

Of the deaths from old age, as shown in Table 97, the southwestern division had the highest rate per cent, closely followed by the southern central. Of those aged 70 and over, the southwestern and southern central divisions again had the highest rate per cent. Of those aged under 5, the northern portions of the State show a rate per cent much less than the southern divisions. This bears out the evidence of former years.

TABLE 97.—*Exhibiting, for the State and Eleven Geographical Divisions, the Number and per cent of Deaths at all Ages, from Old Age, of all aged 70 and over, and of all aged under 5, during the Year 1887.*

State and Geographical Divisions.	Deaths at all Ages,—1887.	Old Age.		Aged 70 and Over.		Aged under 5.	
		Number of deaths.	Per cent to deaths at all ages by geographical divisions.	Number of deaths.	Per cent to deaths at all ages by geographical divisions.	Number of deaths.	Per cent to deaths at all ages by geographical divisions.
State	19,482	917	4.71	2,531	12.99	7,391	37.94
Upper Peninsular	1,578	19	1.20	36	2.28	764	48.41
Northwestern	629	26	4.13	44	7.00	303	48 17
Northern	413	14	3.39	33	7.99	165	39.95
Northeastern	335	15	4.47	22	6.57	162	48.36
Western	2,030	97	4.78	251	12.36	836	41.18
Northern Central	618	12	1.94	36	5.83	248	40.13
Eastern	2,928	129	4.41	310	10.58	1,261	43.07
Central	2,410	103	4.27	408	16.93	709	29.43
Southwestern	1,172	99	8.45	247	21.08	330	28.16
Southern Central	2,783	197	7.08	635	22.82	654	23.50
Southeastern	4,586	206	4.49	509	11.10	1,959	42.72

The average age at death of persons who have died in Michigan during the years 1885, 1886, and 1887, may be seen in Table 98. The average age of males for the year 1887 was about 29 years and that for females 28 years. The average age of all over 20 years of age was 55 years for males and 53 years for females. Those who died from consumption show an average age of 37 years for males and 34 years for females. The average age of native-born and also of foreign-born persons who have died in this State during these years may be seen in the table.

TABLE 98.—*Showing the Average Age of Decedents in Michigan during the Years 1885, 1886, 1887, and the Average of Ten Years, 1877–1886.*

	Year Ending	Average Age in Years and 100ths of a Year.			
		Totals.	Males.	Females.	Excess of Males.
Deaths as shown by Registration Returns	Dec. 31, 1885	28.53	28.97	28.08	.89
Deaths of Native-born Inhabitants as shown by Registration Returns		21.95	21.96	22.07	-.11
Deaths of Foreign-born Inhabitants as shown by Registration Returns		49.90	51.41	48.37	3.04
Deaths from Consumption, by Registration Returns		36.97	39.13	35.02	4.11
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		52.07	54.46	49.03	5.43
All who died aged 20 years and over as shown by Registration Returns		53.30	55.00	51.20	3.80
Deaths of Native-born Inhabitants aged 20 years and over as shown by Registration Returns		51.22	54.86	50.07	4.79
Deaths of Foreign-born Inhabitants aged 20 years and over as shown by Registration Returns		53.75	55.19	52.32	2.87
Deaths as shown by Registration Returns	Dec. 31, 1886	27.78	28.75	26.88	1.87
Deaths of Native-born Inhabitants as shown by Registration Returns		21.80	22.22	21 36	.86
Deaths of Foreign-born Inhabitants as shown by Registration Returns		49.25	50.31	48.47	1.84
Deaths from Consumption, by Registration Returns		36.37	39.41	34.04	5.37
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.98	53.62	49.77	3.85
All who died aged 20 years and over as shown by Registration Returns		53.46	55.44	51.31	4.13
Deaths of Native-born Inhabitants aged 20 years and over as shown by Registration Returns		52.66	55.02	49.73	5.29
Deaths of Foreign-born Inhabitants aged 20 years and over as shown by Registration Returns		53.89	54.67	53.52	1.15
Deaths as shown by Registration Returns	Dec. 31, 1887	29.10	29.07	28.04	1.03
Deaths of Native-born Inhabitants as shown by Registration Returns		21.86	21.82	22.32	-.50
Deaths of Foreign-born Inhabitants as shown by Registration Returns		49.74	50.23	49.12	1.11
Deaths from Consumption by Registration Returns		35.40	37.06	34.00	3.00
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.88	53.70	49.48	4.22
All who died aged 20 years and over as shown by Registration Returns		53 72	55.17	52.03	3.14
Deaths of Native-born Inhabitants aged 20 years and over as shown by Registration Returns		52.52	55.22	50.82	4.40
Deaths of Foreign-born Inhabitants aged 20 years and over as shown by Registration Returns		54.27	54.21	54.38	-.17
Deaths as shown by Registration Returns	Average for 10 Years, 1877–1886.	26.29	26.90	25.82	1.08
Deaths of Native-born Inhabitants as shown by Registration Returns		20.51	20.59	20.63	-.04
Deaths of Foreign-born Inhabitants as shown by Registration Returns		48.42	49.10	47.06	2.04
Deaths from Consumption by Registration Returns		36.01	38.74	33.68	5.06
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		52.31	54.33	49.96	4.37
All who died aged 20 years and over as shown by Registration Returns		52.41	54.16	50.57	3.59
Deaths of Native-born Inhabitants aged 20 years and over as shown by Registration Returns		51.37	54.03	49.07	4.96
Deaths of Foreign-born Inhabitants aged 20 years and over as shown by Registration Returns		53.68	53.94	52.78	1.16

LONGEVITY OF DECEDENTS.

Table 99 shows the occupations, so far as stated, of those who died in Michigan during the eighteen years from 1870 to 1887. All under twenty years of age are excluded from the table. The longer the time covered by statistics of this kind the more valuable they become for purposes of reference. For this reason, the figures here given for a period of eighteen years, form a more correct basis for an average estimate of longevity than those for a single year.

Cultivators of the earth have an average age at death of 59.23 years, being the highest of any of the classes in the table. Next in order comes unemployed with an average age of 55.04 years, then active mechanics abroad with an average age of 53.13 years. The shortest lived were those classified as seafaring men whose average age was only 42.14 years. The various occupations included in each class may be seen by reference to the table, and it will be of interest and importance to note the average age of some of the leading trades and professions.

In the following subdivisions of the classes, those occupations are selected which have the highest and lowest average age.

No.	Males.	Av. Age.	No.	Females.	Av. Age.
53	Retired farmers	69.99	109	Weavers	68.33
93	Retired	72.78	67	Nurses	60.57
14	Weavers	72.21	30	Physicians	58.90
52	Spinners	71.44	27	Boarding-house keepers	56.76
16	Basket-makers	69.00	2,428	Farmers	55.01
341	Clergymen	64.52	136	Tailoresses	53.20
97	Millwrights	63.30	12	Basket-makers	50.17

No.	Males.	Av. Age.	No.	Females.	Av. Age.
78	Students	23.13	31	Students	21.66
129	Brakemen	28.07	4	Factory employés	22.00
52	Woodsmen	33.62	7	Telegraphers	24.50
56	Railroad firemen	21.50	23	Prostitutes	26.41
59	Telegraphers	33.25	5	Cigar-makers	28.10
623	Clerks	33.72	515	Teachers	29.81
22	Upholsterers	36.22	54	Clerks	29.57
20	Finishers	34.45	19	Hair-dressers	35.13
139	Printers	35.17	306	Dress-makers	33.89
131	Cigar-makers	35.55	25	Musicians	34.78
151	Moulders	37.80	155	Milliners	37.50

TABLE 99.—*Exhibiting, by classified occupations, the number, aggregate, and average age of decedents in Michigan, aged 20 years and over, for the 18 years, 1870-1887. One-half year added to age of each for months and days excluded.*

Class.	Occupations,—18 Years, 1870-1887.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
	All Aged 20 Years and Over	110,434	5,729,945.50	51.89
	All Specified Occupations—Aged 20 Years and Over	103,292	5,359,052.50	51.88
	Occupations Unspecified—Aged 20 Years and Over	7,142	370,893.00	51.93
I.	Cultivators of the Earth	28,666	1,698,003.50	59.23
II.	Active Mechanics Abroad	3,078	163,524.00	53.13
III.	Active Mechanics in Shops	3,939	200,949.50	51.02
IV.	Inactive Mechanics in Shops	1,947	101,115.50	51.93
V.	Laborers.—No special Trades	9,855	436,089.50	44.25
VI.	Agents, Laborers Abroad, Etc.	2,116	91,479.00	43.23
VII.	Seafaring Men	738	31,102.00	42.14
VIII.	Soldiers	54	2,773.00	51.35
IX.	Business Men	4,627	219,738.50	47.49
X.	Professional Men	1,735	90,770.50	52.32
XI.	Unemployed	5,311	292,331.50	55.04
XII.	Females	48,368	2,402,089.00	49.66
I.	Cultivators of the Earth	28,666	1,698,003.50	59.23
	Farmers	28,254	1,675,208.50	59.29
	Farm Laborers	124	4,610.00	37.18
	Fruit Growers	12	640.00	53.33
	Gardeners	212	13,283.00	62.66
	Nurserymen	11	552.50	50.23
	Retired Farmers	53	3,709.50	69.99
II.	Active Mechanics Abroad	3,078	163,524.00	53.13
	Brick makers	34	1,871.00	55.03
	Carpenters and builders	2,223	117,183.50	52.71
	House movers	9	510.50	56 72
	Masons	567	30,282.50	53.41
	Millwrights	97	6,140.50	63.30
	Ship carpenters	61	3,174.50	52.04
	Stone cutters	87	4,362.50	50.14
III.	Active Mechanics in Shops	3,939	200,949.50	51.02
	Bakers	100	5,187.00	51.87
	Blacksmiths	728	40,373.00	55.32

TABLE 99.—CONTINUED.—*Occupations of Decedents, etc.*

Class.	Occupations,—18 Years, 1870-1887.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
III.	Active Mechanics in Shops—(Continued).			
	Boiler-makers	36	1,521.00	42.25
	Book-binders	12	589.00	49.08
	Bottlers	4	114.00	28.50
	Brewers	100	4,728.00	47.28
	Broom-makers	12	583.00	48.58
	Cabinet-makers	168	8,881.00	52.86
	Carriage-makers	147	8,409.50	57.21
	Carriage trimmers	11	498.50	45.32
	Chair-makers	2	100.00	50.00
	Confectioners	18	846.00	47.00
	Cooks	49	2,335.50	47.66
	Coopers	374	21,542.00	57.60
	Coppersmiths	10	595.00	59.50
	Dyers	15	763.50	50.90
	Finishers	20	689.00	34.45
	Foundrymen	14	709.00	50.64
	Gilders	8	260.00	32.50
	Glass-blowers	2	82.00	41.00
	Gunsmiths	48	2,783.00	57.98
	Machinists	251	12,430.50	49.53
	Marble-workers	23	1,032.50	44.89
	Mechanics	459	22,446.50	48.90
	Millers	273	15,076.50	55.23
	Model-makers	17	895.50	52.68
	Molders	151	5,707.50	37.80
	Painters	444	19,230.00	43.31
	Plasterers	21	1,133.50	53.98
	Plumbers	33	1,329.50	40.29
	Potters	6	418.00	69.67
	Rope-makers	5	291.50	58.30
	Sail-makers	4	195.00	48.75
	Saw-makers	5	235.50	47.10
	Sawyers	12	393.00	32.75
	Smelters	2	101.00	50.50
	Spinners	52	3,715.00	71.44
	Stove-mounters	14	553.00	39.50
	Tanners	36	1,909.00	53.03

TABLE 99.—CONTINUED.—*Occupations of Decedents, etc.*

Class.	Occupations,—18 Years, 1870-1887.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
III.	Active Mechanics in Shops—(Continued).			
	Tinners	87	3,724.50	42.81
	Turners	31	1,490.50	48.08
	Unclassified	29	1,241.50	42.81
	Upholsterers	22	797.00	36.22
	Wagon-makers	60	3,630.00	60.50
	Weavers	14	1,011.00	72.21
	Wood-carvers	10	473.00	47.30
IV.	Inactive Mechanics in Shops	1,947	101,115.50	51.93
	Barbers	156	6,172.00	39.56
	Basket-makers	16	1,104.00	69.00
	Cigar-makers	131	4,656.50	35.55
	Furriers	2	114.00	57.00
	Harness-makers	160	7,643.00	47.77
	Hatters	18	993.00	55.17
	Jewelers	105	5,087.50	48.45
	Lithographers	4	96.00	24.00
	Printers	139	4,888.50	35.17
	Shoemakers	735	44,344.50	60.33
	Silversmiths	4	151.00	37.75
	Tailors	418	23,904.00	57.19
	Telegraphers	59	1,961.50	33.25
V.	Laborers,—No Special Trades	9,855	436,069.50	44.25
	Choppers	8	285.00	35.63
	Ditchers	10	621.00	62.10
	Janitors	29	1,669.50	57.57
	Laborers	8,288	374,417.00	45.18
	Loggers	28	923.00	32.96
	Mill-hands	179	7,213.50	40.30
	Miners	1,051	40,189.50	38.24
	Miscellaneous	131	6,058.50	46.25
	Porters	17	636.50	37.44
	Rivermen	13	373.50	28.73
	Salt Packers	4	223.00	55.50
	Servants	32	1,198.00	37.44
	Well-diggers	13	514.50	39.58
	Woodsmen	52	1,748.00	33.62

TABLE 99.—CONTINUED.—*Occupations of Decedents, etc.*

Class.	Occupations,—18 Years, 1870-1887.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
VI.	Agents, Laborers Abroad, etc.	2,116	91,479.00	43.23
	Agents	121	5,500.50	45.46
	Baggagemen	26	1,057.00	40.65
	Brakemen	129	3,620.50	28.07
	Butchers	255	11,886.50	46.61
	Collectors	9	412.50	45.83
	Commercial Travelers	51	2,120.50	41.58
	Conductors	64	2,448.00	38.26
	Constables	12	576.00	48.00
	Draymen	86	4,561.00	53.03
	Drovers	47	2,288.50	48.69
	Engineers	43	2,022.50	47.04
	Expressmen	7	343.50	49.07
	Firemen	8	245.00	30.63
	Hackmen	44	2,032.00	46.18
	Hostlers	13	566.50	43.57
	Hunters and Trappers	39	2,004.50	51.40
	Indian chief	1	104.50	104.50
	Inspectors of Oil, Gas, Salt, etc.	8	345.00	43.13
	Jockeys	4	141.00	35.25
	Mail Carriers	4	219.00	54.75
	Milk Peddlers	16	900.00	56.25
	Overseers and Superintendents	46	2,226.00	48.39
	Peddlers	150	7,597.00	50.65
	Policemen	29	1,199.50	41.36
	Railroad Engineers	325	13,284.50	40.88
	Railroad Expressmen	12	544.00	45.33
	Railroad Firemen	56	1,204.00	21.50
	Railroad Laborers	158	6,029.00	38.16
	Railroad Men	80	3,276.00	40 95
	Sextons	7	387.50	55.36
	Station Agents	6	209.00	34.83
	Switchmen	21	678.50	32.31
	Teamsters	202	9,378.00	46.43
	Toll-gate Keepers	5	302.50	60.50
	Watchmen	25	1,231.50	49.26
	Whitewashers	7	497.50	71.07

TABLE 99—CONTINUED.—*Occupations of Decedents, etc.*

Class.	Occupations,—18 Years, 1870-1887.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
VII.	Seafaring men.—(Continued)	738	31,102.00	42.14
	Fishermen	135	6,198.50	45.91
	Officers	52	2,587.00	49.75
	Sailors	546	22,026.00	40.34
	United States Navy	5	290.50	58.10
VIII.	Soldiers	54	2,773.00	51.35
	Officers	7	376.50	53.79
	Soldiers	47	2,396.50	50.99
IX.	Business Men	4,627	219,738.50	47.49
	Auctioneers	5	265.50	53.10
	Bankers	99	5,819.50	58.78
	Book-keepers	239	9,806.50	41.03
	Capitalists	81	5,134.50	63.39
	Clerks	623	21,004.50	33.72
	Commission Merchants	25	1,440.50	57.62
	Contractors and Jobbers	68	3,930.00	57.79
	Druggists	131	5,803.50	44.30
	Furniture Dealers	11	534.50	48.59
	Grain Buyers	19	968.50	50.97
	Grocers	213	10,134.50	47.58
	Hotel Clerks	7	258.50	36.93
	Hotel-keepers	301	15,767.50	52.38
	Insurance Agents	74	3,867.00	52.26
	Justices of the Peace	41	2,725.50	66.48
	Liquor Dealers	19	807.50	42.50
	Liverymen	67	3,032.50	45.26
	Lumbermen	462	21,453.00	46.44
	Manufacturers	180	9,341.00	51.89
	Merchants	1,155	59,016.50	51.10
	Mill Owners	9	505.50	56.17
	News Agents	10	379.00	37.90
	Public Officers	146	7,595.00	52.02
	Real estate Dealers	69	4,172.50	60.47
	Restaurant-keepers	24	1,146.00	47.75
	Salesmen	80	3,516.00	43.95
	Saloon-keepers	416	18,280.00	43.94
	Undertakers	21	1,123.50	53.50
	All Others	32	1,910.00	59.69

TABLE 99.—CONTINUED.—*Occupations of Decedents, etc.*

Class.	Occupations,—18 Years, 1870-1887.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
X.	Professional Men	1,735	90,770.50	52.32
	Actors	9	388.50	43.17
	Architects	12	568.00	47.33
	Artists	33	1,417.50	42.95
	Attorneys at Law	267	14,103.50	52.82
	Civil Engineers	38	2,180.00	57.37
	Clergymen	341	22,001.50	64.52
	Dentists	53	2,364.50	44.61
	Draughtsmen	1	59.50	59.50
	Editors	42	1,923.00	45.79
	Electricians	2	66.00	33.00
	Judges	4	222.00	55.50
	Lecturers	2	100.00	50.00
	Musicians	52	2,280.00	43.85
	Opticians	3	132.50	44.17
	Photographers	19	707.50	37.24
	Physicians and Surgeons	521	28,958.50	55.58
	Students	78	1,804.00	23.13
	Surveyors	12	735.00	61.25
	Teachers	220	9,271.00	42.14
	Veterinary Surgeons	26	1,488.00	57.23
XI.	Unemployed	5,311	292,331.50	55.04
	Paupers	227	13,272.50	58.47
	Pensioners	8	569.00	71.13
	Retired	93	6,768.50	72.78
	Unemployed	1,712	101,495.00	59.28
	Unknown	3,255	169,587.50	52.10
	All others	16	639.00	39.94
XII.	Females	48,368	2,402,089.00	49.66
	Actresses	4	127.00	31.75
	Agents	8	292.00	36.50
	Artists	16	620.00	38.75
	At Home	329	10,071.50	30.61
	Basket-makers	12	602.00	50.17
	Boarding-house Keepers	27	1,532.50	56.76
	Book-keepers	4	178.00	44.50
	Cigar-makers	5	140.50	28.10
	Clerks	54	1,597.00	29.57
	Confectioners	6	259.00	43.17

TABLE 99.—CONTINUED.—*Occupations of Decedents, etc.*

Class.	Occupations,—18 Years, 1870-1887.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
	Females.—(Continued).			
	Cooks	10	371.00	37.10
	Domestics	953	36,902.50	38.72
	Dress-makers	306	10,371.00	33.89
	Druggists	3	154.50	51.50
	Factory employés	4	88.00	22.00
	Farmers	2,428	133,569.00	55.01
	Farmers' daughters	11	342.50	31.15
	Farmers' wives	296	15,922.00	53.79
	Hair-dressers	19	667.50	35.13
	Hotel-keepers	46	2,103.00	45.72
	Housekeepers	11,135	601,794.00	54.04
	Housewives	21,170	1,004,508.00	47.45
	House-workers	1,136	53,088.00	46.68
	Laborers	239	11,712.50	49.01
	Laundresses	9	359.50	39.94
	Manufacturers	9	470.50	52.28
	Matrons	91	4,795.50	52.70
	Merchants	48	2,438.00	50.79
	Millers	8	424.00	53.00
	Milliners	155	5,812.50	37.50
	Ministers	4	217.00	54.25
	Miscellaneous	150	6,969.00	46.46
	Musicians	25	869.50	34.78
	Nurses	67	4,058.50	60.57
	Paupers	87	5,011.50	57.60
	Physicians	30	1,767.00	58.90
	Prostitutes	23	607.50	26.41
	Saloon-keepers	10	461.00	46.10
	Seamstresses	239	9,554.50	39.98
	Spinsters	11	628.50	57.14
	Students	31	671.50	21.66
	Tailoresses	136	7,235.00	53.20
	Teachers	515	15,350.50	29.81
	Telegraphers	7	171.50	24.50
	Unemployed	4,423	256,714.00	58.04
	Unknown	3,887	201,305.50	51.79
	Washer-women	60	2,788.00	46.47
	Weavers	109	7,448.50	68.33
	Widows	13	957.50	73.65

LANE MEDICAL LIBRARY

To avoid fine, this book should be returned on or before the date last stamped below.



